# XR-4758RDS/4759RDS

# SERVICE MANUAL

*UK Model*

**Photo: XR-4759RDS**

| | |
|---|---|
| Model Name Using Similar Mechanism | XR-3740 |
| Tape Transport Mechanism Type | MG-52A-135 |

## SPECIFICATIONS

### Cassette player section

| | |
|---|---|
| Tape track | 4-track 2-channel stereo |
| Wow and flutter | 0.08 % (WRMS) |
| Frequency response | 30 – 20,000 Hz |
| Signal-to-noise ratio | 61 dB (TYI'E II, IV)<br>58 dB (TYI'E I) |

### Tuner section

**FM**

| | |
|---|---|
| Tuning range | 87.5 – 108.0 MHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz |
| Usable sensitivity | 8 dBf |
| Selectivity | 75 dB at 400 kHz |
| Signal-to-noise ratio | 65 dB (stereo),<br>68 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5 % (stereo),<br>0.3 % (mono) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30 – 15,000 Hz |
| Capture ratio | 2 dB |

**MW/LW**

| | |
|---|---|
| Tuning range | MW: 531 – 1,602 kHz<br>LW: 153 – 281 kHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.71 MHz/450 kHz |
| Sensitivity | MW: 30 µV<br>LW: 50 µV |

### Power amplifier section

| | |
|---|---|
| Outputs | Speaker outputs<br>(sure seal connectors) |
| Speaker impedance | 4 – 8 ohms |
| Maximum power output | 35 W × 4 (at 4 ohms) |

### General

| | |
|---|---|
| Outputs | Telephone mute lead |
| Tone controls | Bass ±8 dB at 100 Hz<br>Treble ±8 dB at 10 kHz |
| Power requirements | 12 V DC car battery<br>(negative ground) |
| Dimensions | Approx. 188 × 58 × 181 mm<br>(w/h/d) |
| Mounting dimensions | Approx. 182 × 53 × 164 mm<br>(w/h/d) |
| Mass | Approx. 1.2 kg |
| Supplied accessories | Front panel case (1) |

*Design and specifications are subject to change without notice.*

## FM/MW/LW CASSETTE CAR STEREO

MICROFILM

SONY®

## TABLE OF CONTENTS


**1. GENERAL**
Location of Controls ..... 3

**2. DISASSEMBLY** ..... 4

**3. ASSEMBLY OF MECHANISM DECK** ..... 6

**4. MECHANICAL ADJUSTMENTS** ..... 12

**5. ELECTRICAL ADJUSTMENTS**
Test Mode ..... 12
Tape Deck Section ..... 13
Tuner Section ..... 13

**6. DIAGRAMS**
6-1. IC Pin Function Description ..... 16
6-2. Printed Wiring Boards – MAIN Section – ..... 18
6-3. Schematic Diagram – MAIN Section – ..... 21
6-4. Printed Wiring Board – KEY Section – ..... 27
6-5. Schematic Diagram – KEY Section – ..... 29

**7. EXPLODED VIEWS** ..... 34

**8. ELECTRICAL PARTS LIST** ..... 38


## SERVICING NOTES

### Flexible Circuit Board Repairing

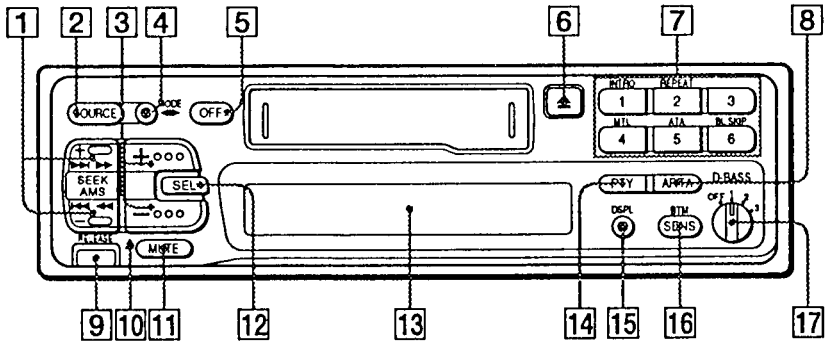
- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering .

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

This section is extracted from instruction manual.

## Location of controls




Refer to the pages for further details.

1 SEEK/AMS button 4, 5, 6, 7, 8, 10

2 SOURCE button (TAPE/TUNER) 4, 6

3 ⊕⊖ (volume/bass/treble/balance/fader control) button 4, 11

4 MODE (◄I►) button
During Tuner reception:
BAND select 6

During Tape playback:
Transport direction change 4

5 OFF button 3, 4

6 ⏏ (eject) button 4

7 During radio reception:
Preset number buttons 6

During tape playback:
① INTRO button 5
② REPEAT button 5
④ MTL button 5
⑤ ATA (Automatic Tuner Activation) button 5
⑥ BL.SKIP (Blank Skip) button 5

8 AF/TA (alternative frequency/traffic announcement) button 8, 9

9 RELEASE (front panel release) button 3, 13

10 Reset button (located on the front side of the unit hidden by the front panel) 3
Press this button when you use this unit for the first time, when you have changed the car battery, or when the buttons of this unit do not function properly.

11 MUTE button 11

12 SEL (control mode select) button 4, 9, 10, 11

13 Display window

14 PTY (programme type) button 10

15 DSPL (display mode change/time set) button 4, 5, 7

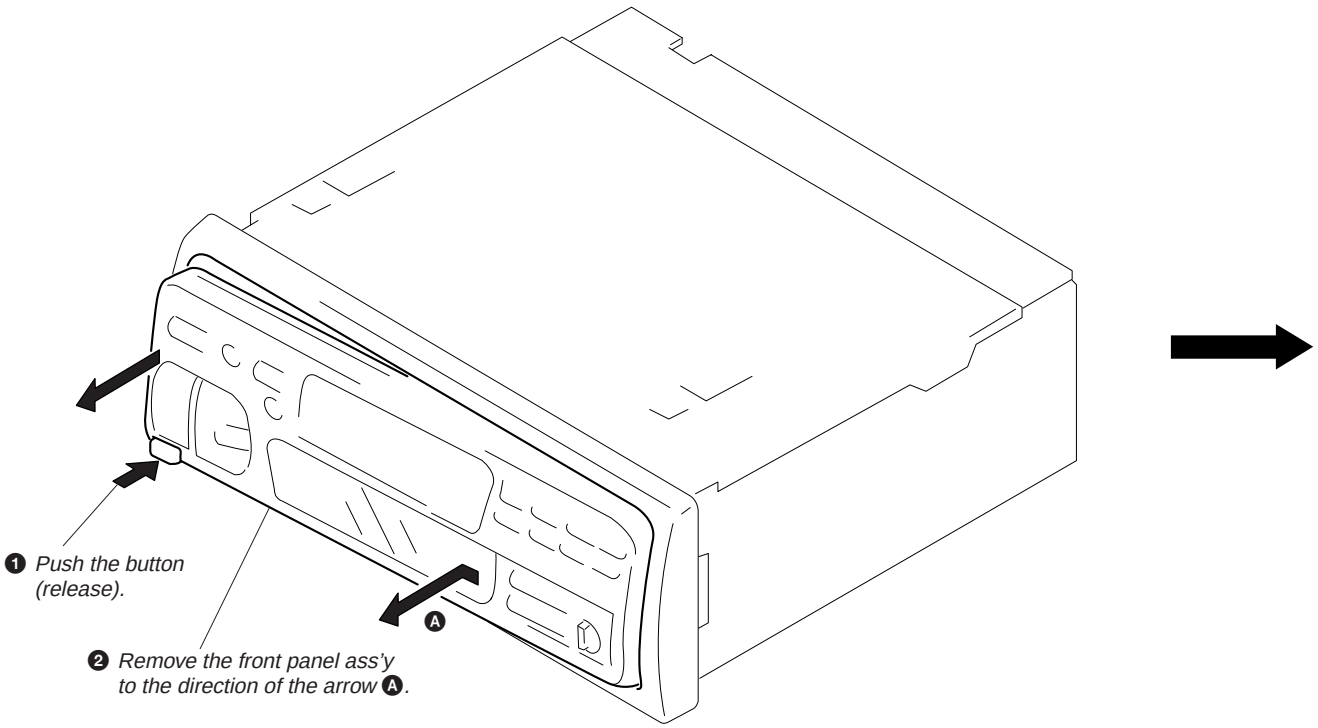
16 SENS/BTM (sensitivity adjust/Best memory function) button 6, 7, 9

17 D-BASS control 11

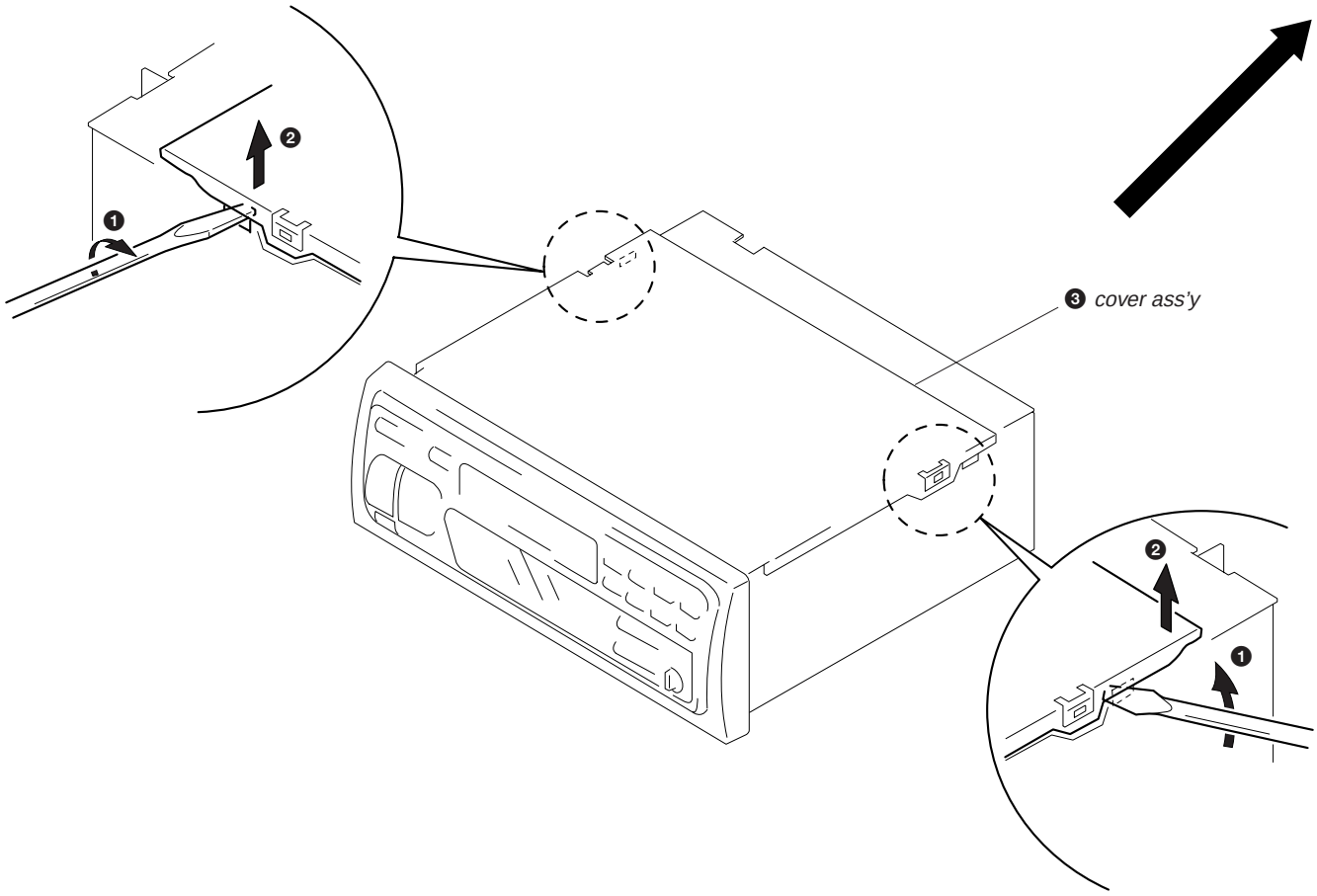
# SECTION 2
# DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

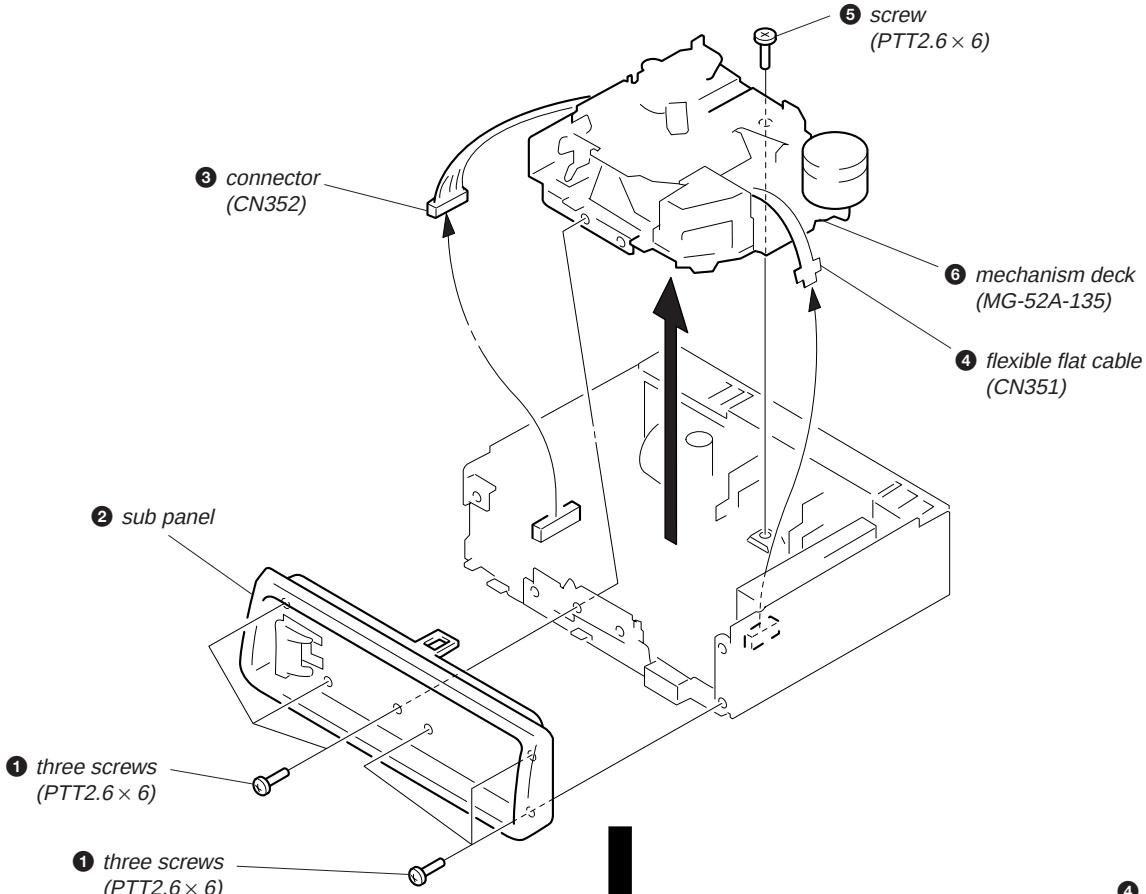
**FRONT PANEL ASS'Y**



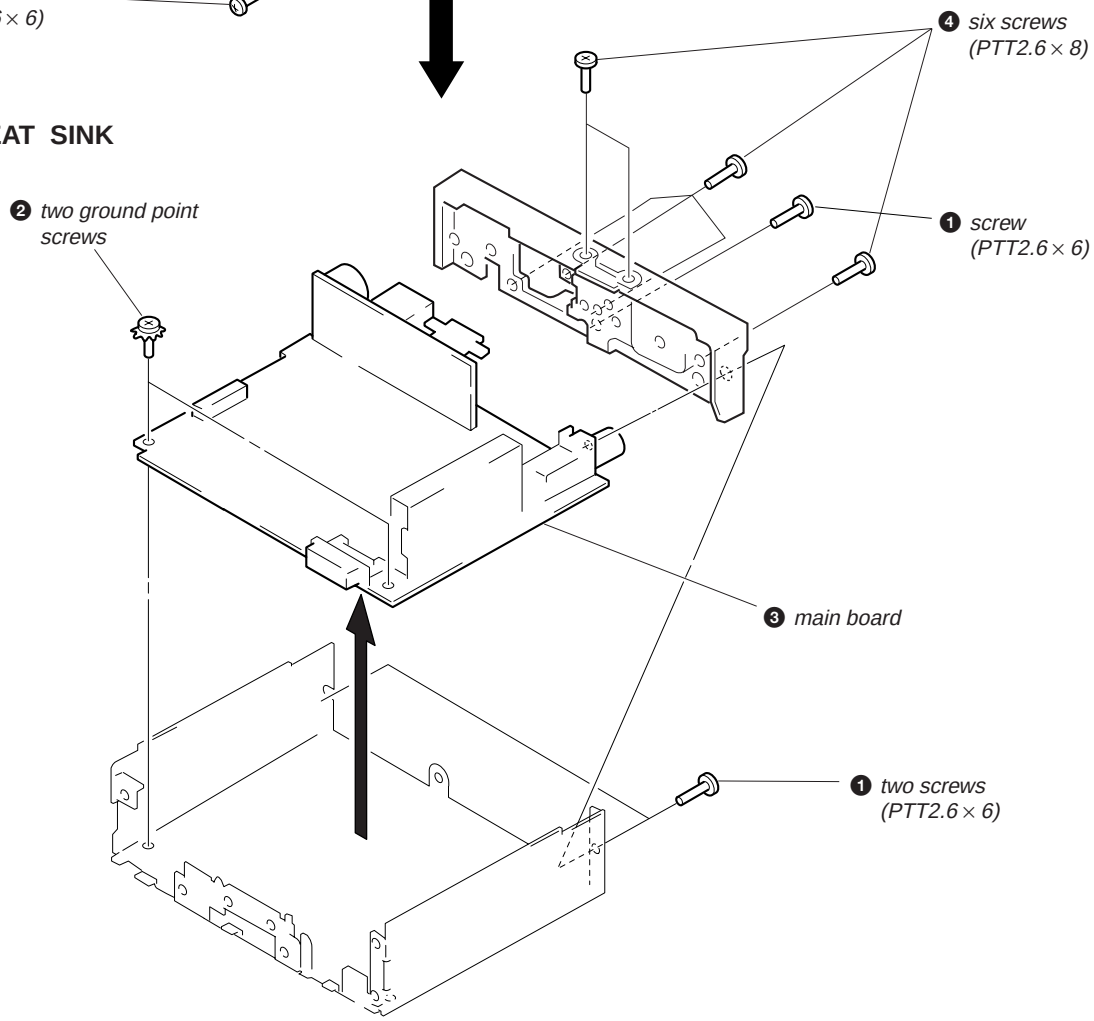

**COVER ASS'Y**



## SUB PANEL, MECHANISM DECK (MG-52A-135)



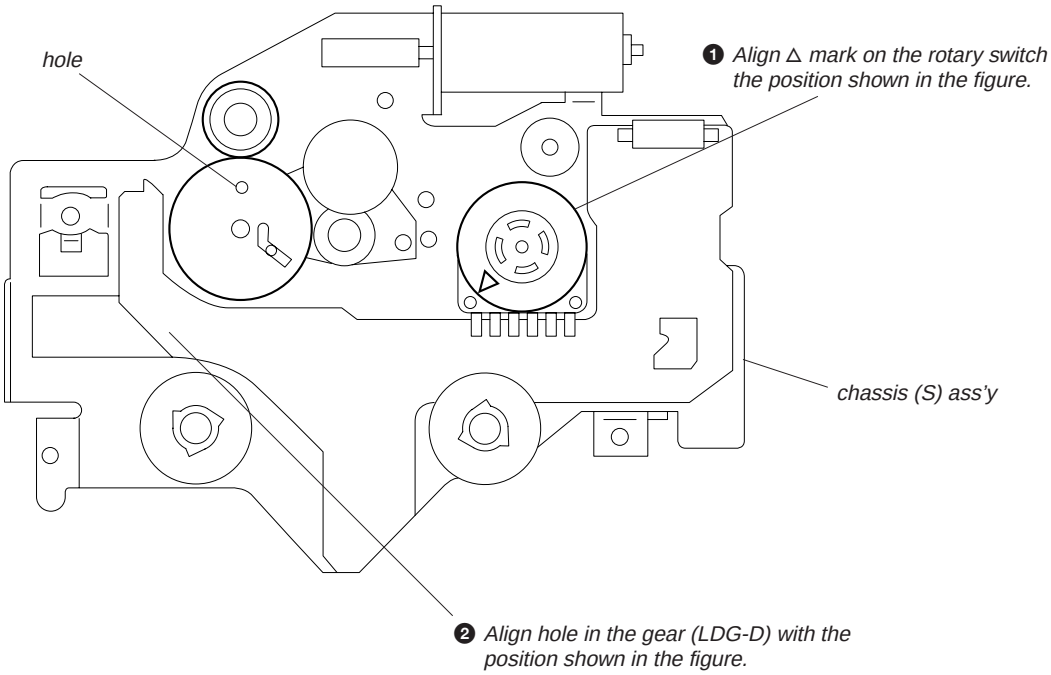

## MAIN BOARD, HEAT SINK



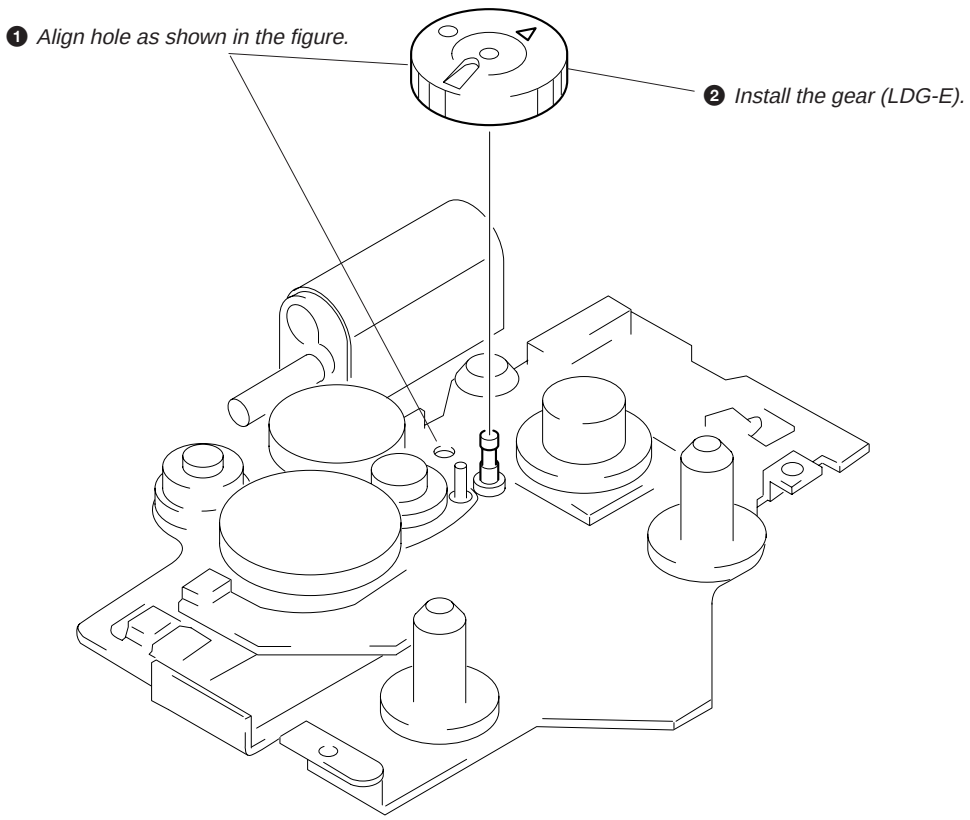
# SECTION 3
# ASSEMBLY OF MECHANISM DECK

**Note:** Follow the assembly procedure in the numerical order given.

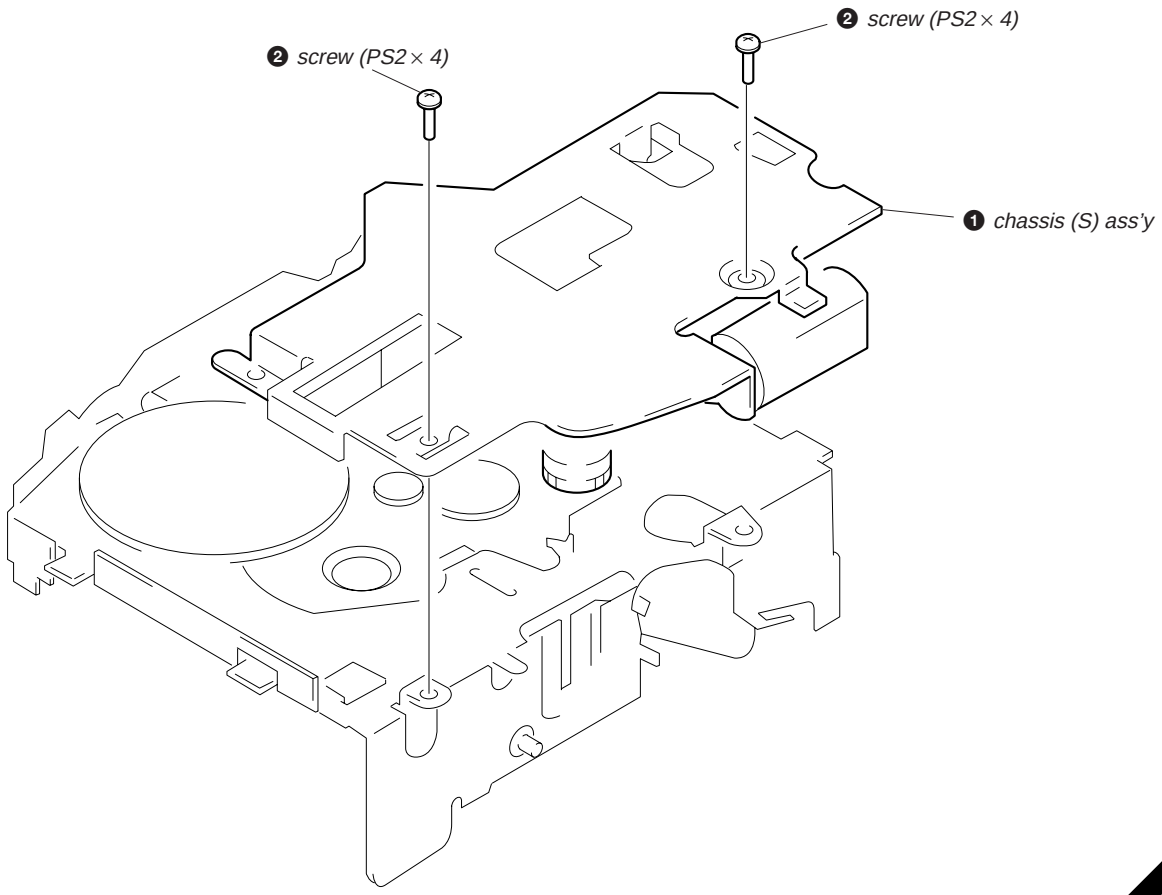
## ALIGNMENT OF FRONT SWITCH


hole
❶ Align △ mark on the rotary switch the position shown in the figure.
chassis (S) ass'y
❷ Align hole in the gear (LDG-D) with the position shown in the figure.

## GEAR (LDGE)

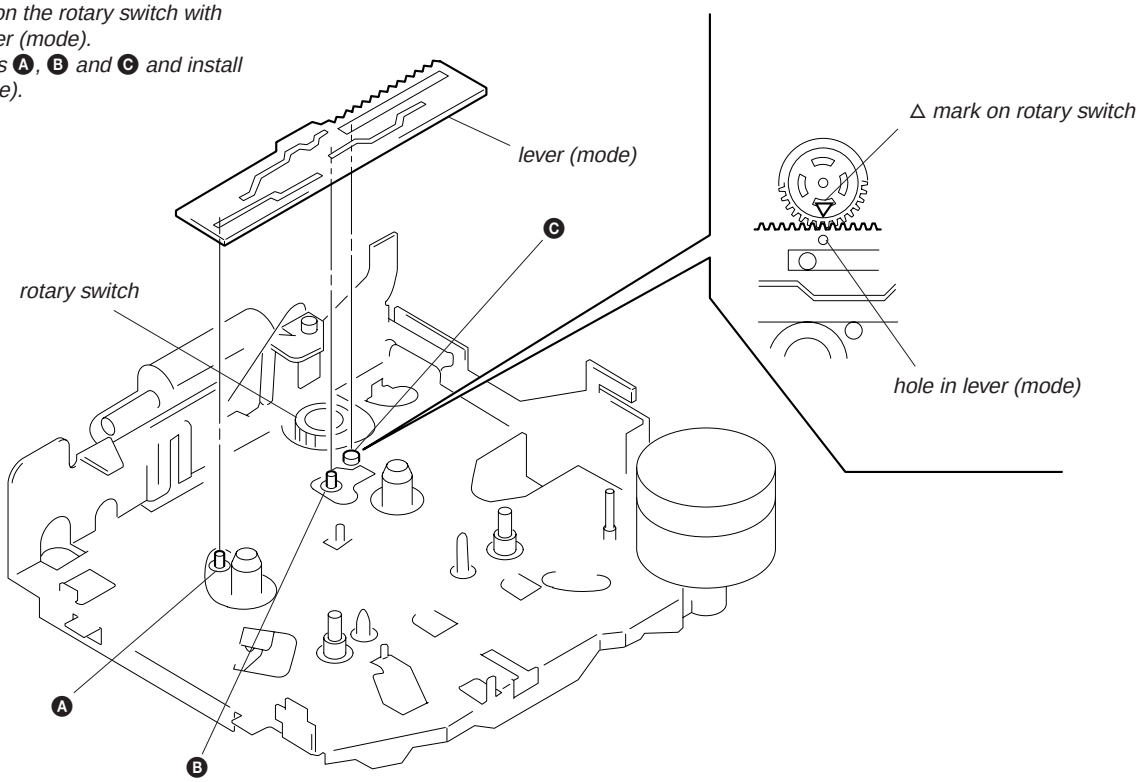


## CHASSIS (S) ASS'Y

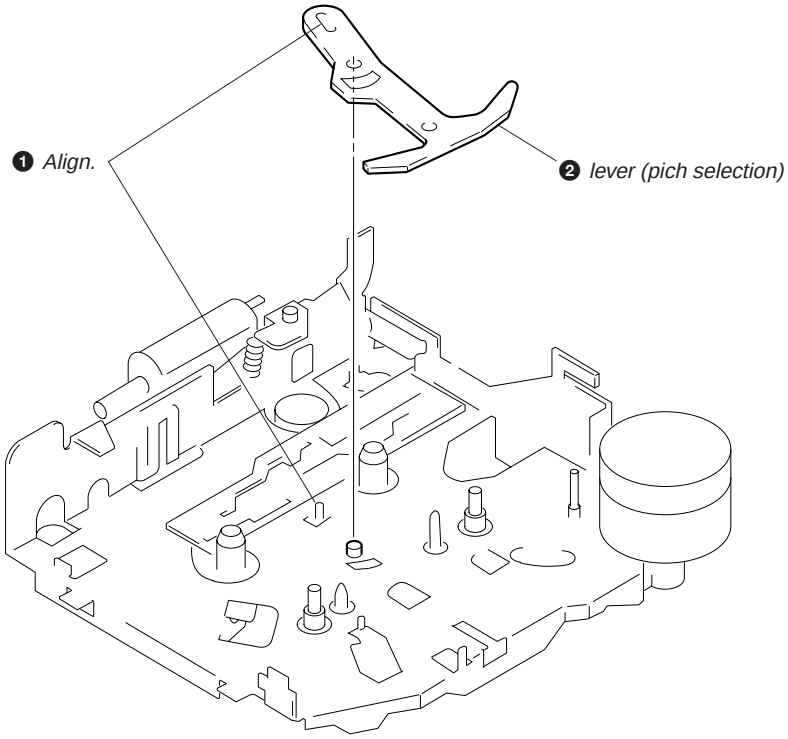



## LEVER (MODE)

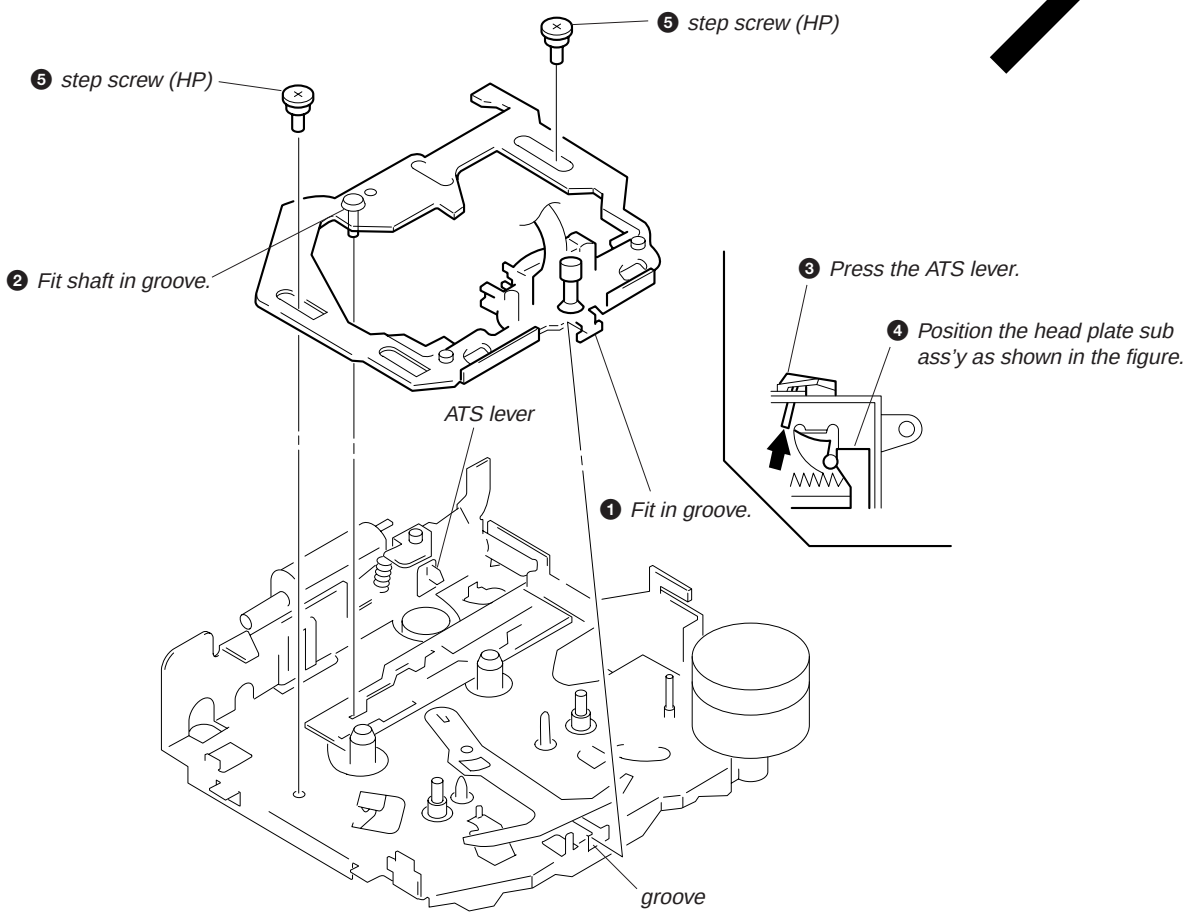
1. *Align △ mark on the rotary switch with hole in the lever (mode).*
2. *Fit on positions Ⓐ, Ⓑ and Ⓒ and install the lever (mode).*



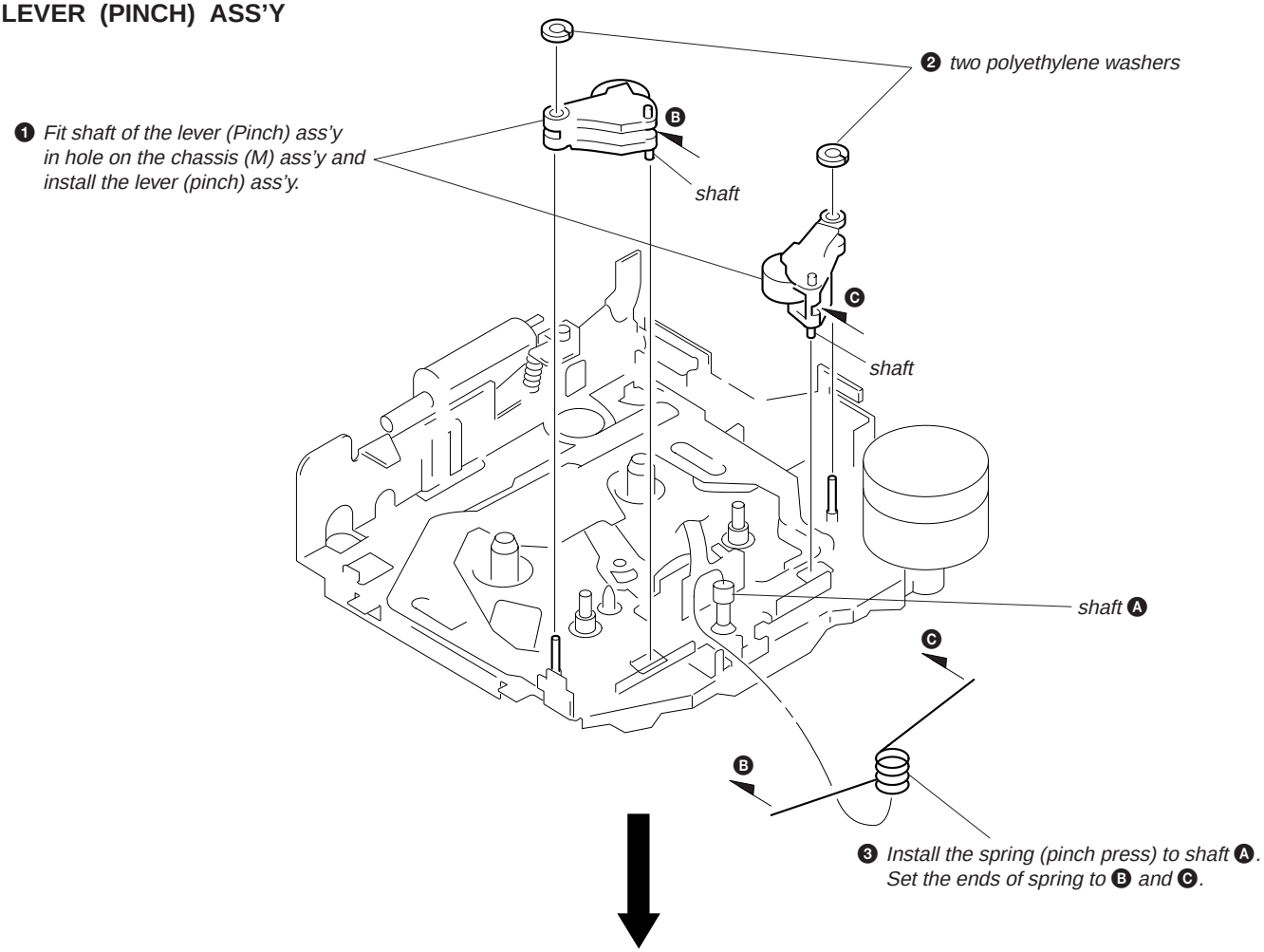
**LEVER (PINCH SELECTION)**



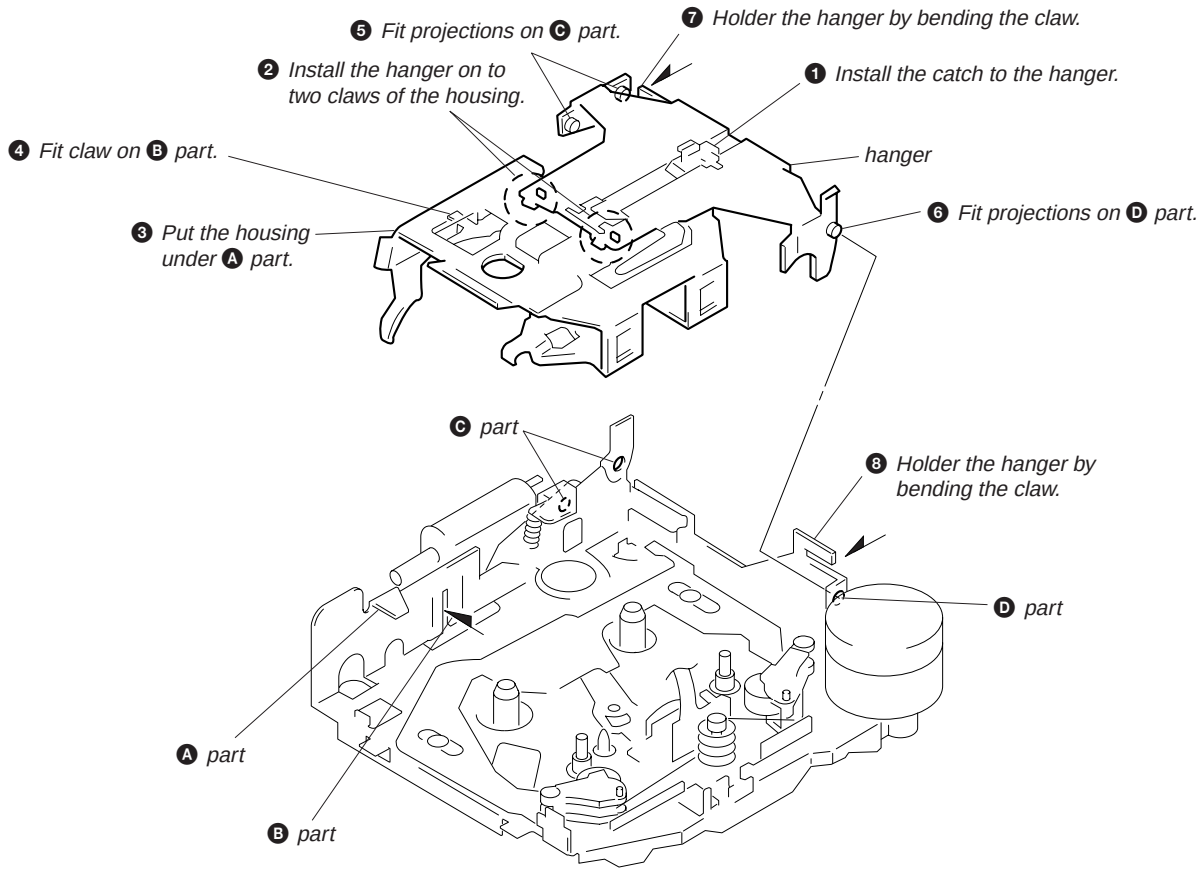

**HEAD PLATE ASS'Y**


❺ step screw (HP)
❺ step screw (HP)
❷ Fit shaft in groove.
❸ Press the ATS lever.
❹ Position the head plate sub ass'y as shown in the figure.
ATS lever
❶ Fit in groove.
groove

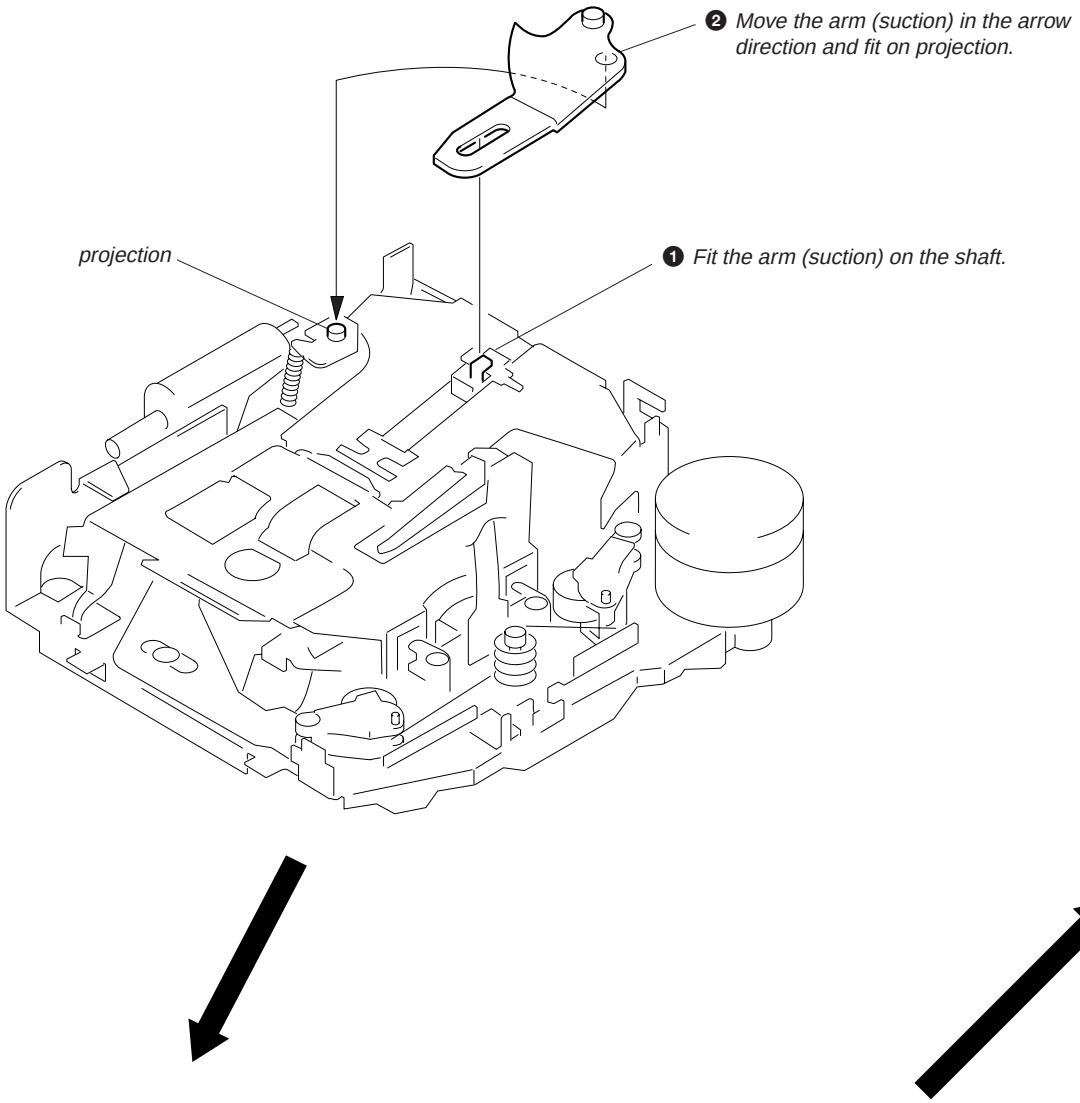
## LEVER (PINCH) ASS'Y


❷ two polyethylene washers
❶ Fit shaft of the lever (Pinch) ass'y in hole on the chassis (M) ass'y and install the lever (pinch) ass'y.
Ⓑ
shaft
Ⓒ
shaft
shaft Ⓐ
Ⓒ
Ⓑ
❸ Install the spring (pinch press) to shaft Ⓐ. Set the ends of spring to Ⓑ and Ⓒ.

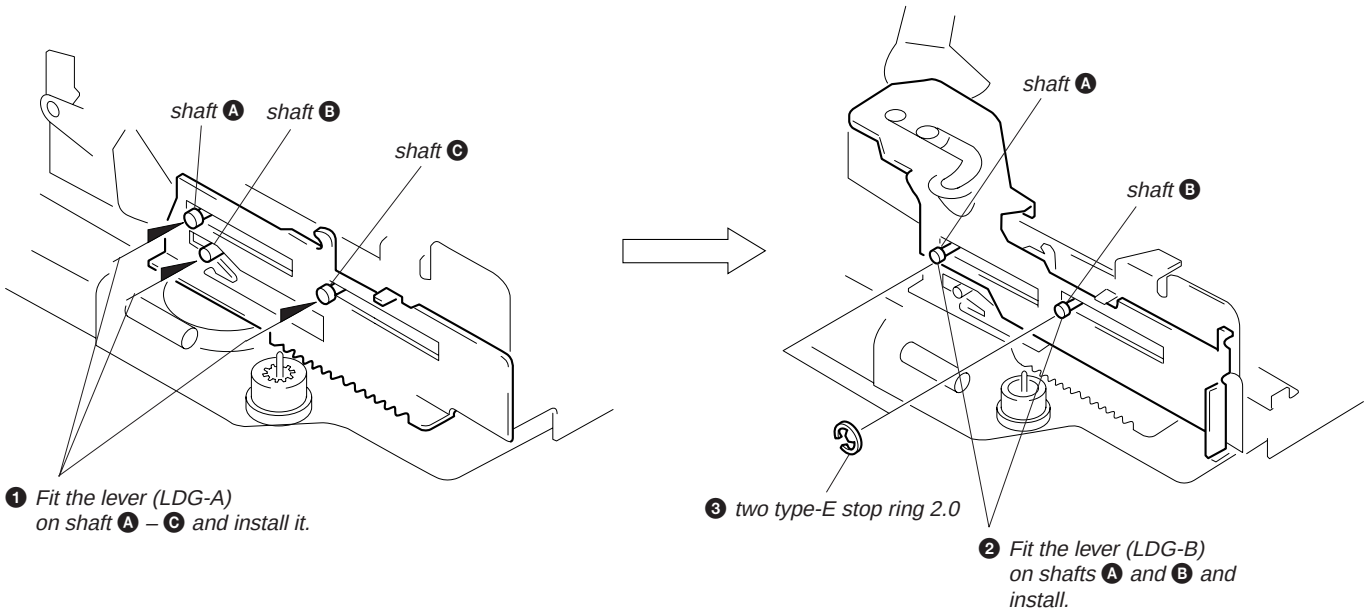
## HOUSING


❺ Fit projections on Ⓒ part.
❼ Holder the hanger by bending the claw.
❷ Install the hanger on to two claws of the housing.
❶ Install the catch to the hanger.
❹ Fit claw on Ⓑ part.
hanger
❸ Put the housing under Ⓐ part.
❻ Fit projections on Ⓓ part.
Ⓒ part
❽ Holder the hanger by bending the claw.
Ⓓ part
Ⓐ part
Ⓑ part

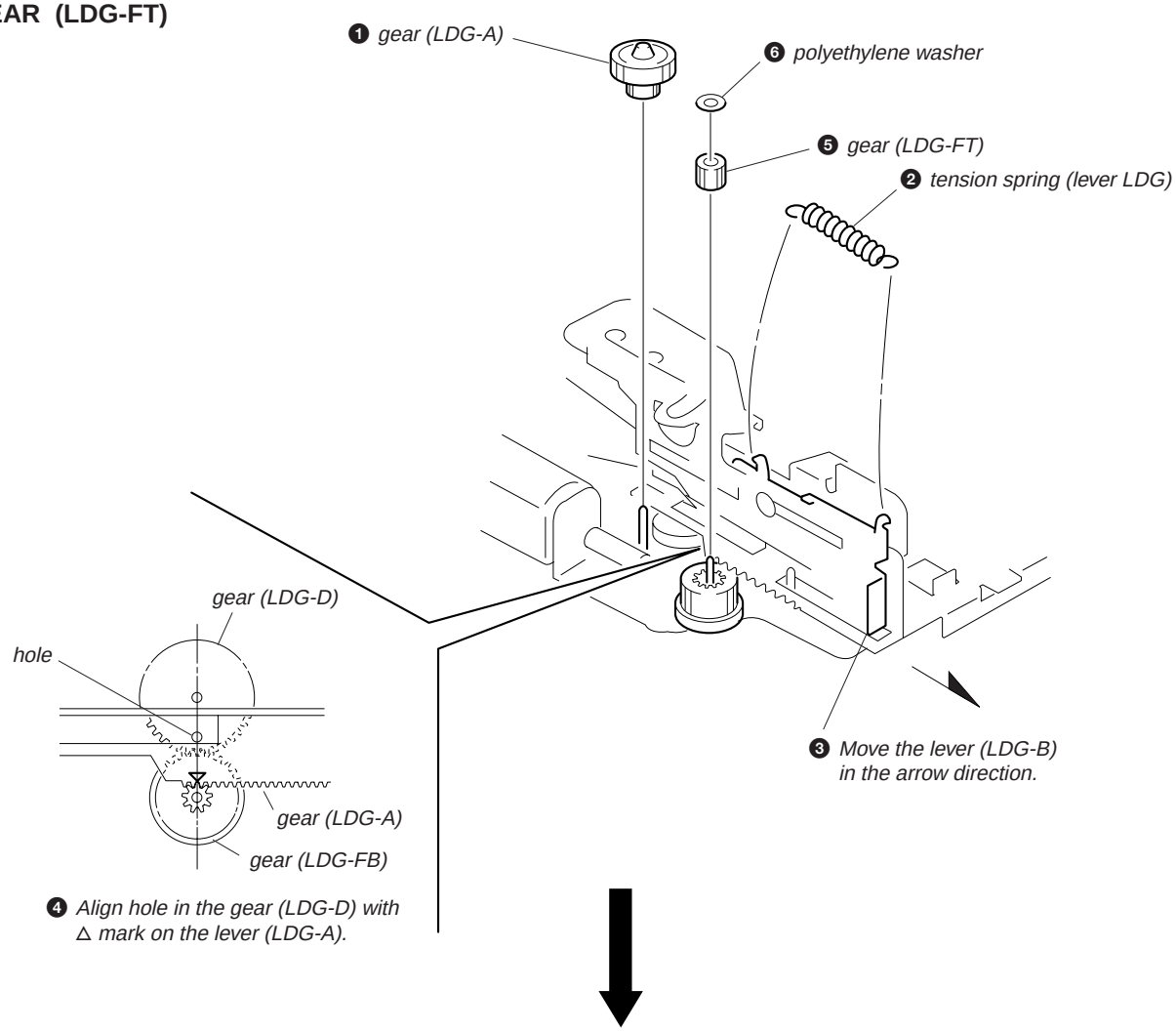
**ARM (SUCTION)**



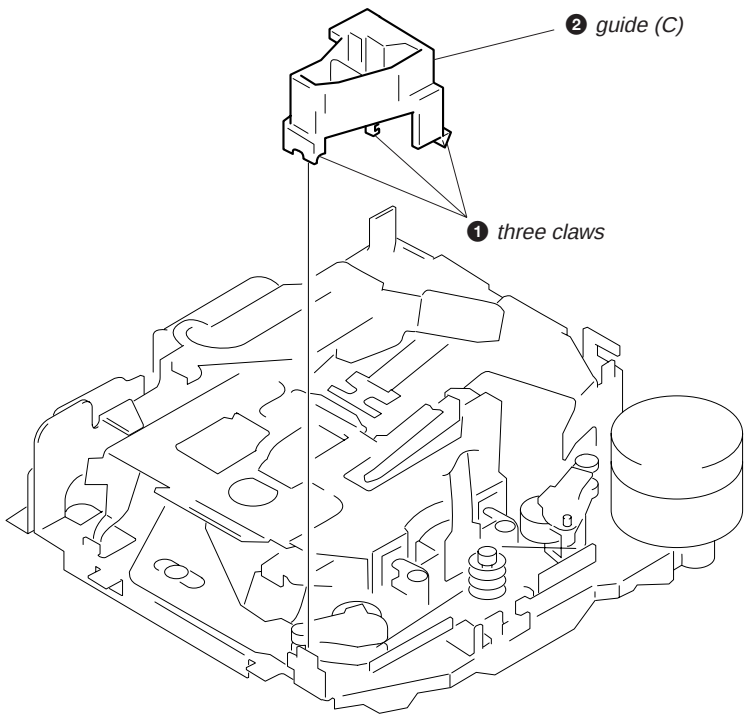

**LEVER (LDG-A) / (LDG-B)**


shaft Ⓐ
shaft Ⓑ
shaft Ⓒ
❶ Fit the lever (LDG-A) on shaft Ⓐ – Ⓒ and install it.
shaft Ⓐ
shaft Ⓑ
❸ two type-E stop ring 2.0
❷ Fit the lever (LDG-B) on shafts Ⓐ and Ⓑ and install.

**GEAR (LDG-FT)**


❶ gear (LDG-A)
❻ polyethylene washer
❺ gear (LDG-FT)
❷ tension spring (lever LDG)
gear (LDG-D)
hole
gear (LDG-A)
gear (LDG-FB)
❸ Move the lever (LDG-B) in the arrow direction.
❹ Align hole in the gear (LDG-D) with △ mark on the lever (LDG-A).

**GUIDE (C)**



# SECTION 4
# MECHANICAL ADJUSTMENTS

1. Clean the following parts with a denatured-alcohol-moistened swab:
   playback head pinch roller
   rubber belt capstan
   idler
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. The adjustments should be performed with the power supply voltage (14.4 V) unless otherwise noted.

**• Torque Measurement**

| Mode | Torqu Meter | Meter Reading |
|---|---|---|
| Forward | CQ-102C | 35–65 g•cm (0.49–0.90 oz•inch) |
| Forward Back Tension | CQ-102C | 0.5–5.0 g•cm (0.01–0.07 oz•inch) |
| Reverse | CQ-102RC | 35–65 g•cm (0.49–0.90 oz•inch) |
| Reverse Back Tension | CQ-102RC | 0.5–5.0 g•cm (0.01–0.07 oz•inch) |
| FF, REW | CQ-201B | 60–200 g•cm (0.83–2.78 oz•inch) |

**• Tape Tension Measurement**

| Mode | Torqu Meter | Meter Reading |
|---|---|---|
| Forward | CQ-403A | more than 60 g (more than 2.12 oz) |
| Reverse | CQ-403R | |

# SECTION 5
# ELECTRICAL ADJUSTMENTS

**TEST MODE**

This set have the test mode function. In the test mode, FM Auto Scan/Stop Level and MW Auto Scan/Stop Level adjustments can be performed easier than it in ordinary procedure.

<Set the Test Mode>
1. Set the “OFF” mode.
2. Push the preset [4] button.
3. Push the preset [5] button.
4. Press the preset [1] button for more than two seconds.
5. Then the display indicates all lights, the test mode is set.

<Release the Test mode>
1. Push the “OFF” button.

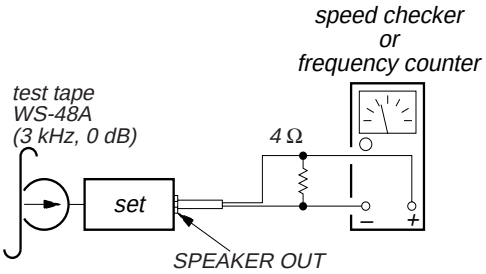
See the adjustment location from on page 15 for the adjustment.

**TAPE DECK SECTION** | **0 dB=0.775 V**

### Tape Speed Adjustment

**Procedure:**

1. Put the set into the FWD PB mode.




**Specification:** Constant speed

| Speed checker | Frequency counter |
|---|---|
| –1.5 to +2.5% | 2,955 to 3,075 Hz |

**Adjustment Location:** See page 15.

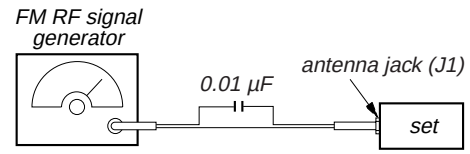
**TUNER SECTION** | **0 dB=1 µV**

**Cautions during repair**
When the tuner unit is defective, replace it by a new one because its internal block is difficult to repair.

### FM Auto Scan/Stop Level Adjustment

**Setting:**

SOURCE button: FM

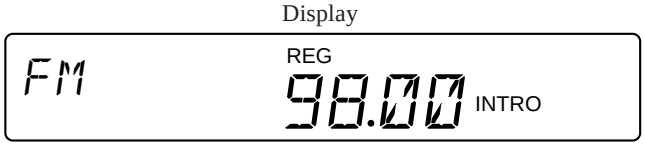



*Carrier frequency : 98.0 MHz*
*Output level : 22 dB (12.6 µV)*
*Mode : mono*
*Modulation : 1 kHz, 22.5 kHz deviation (30%)*

**Procedure:**

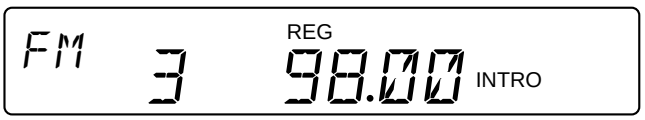
1. Set to the test mode. (See page 12.)
2. Push the SOURCE button and set to FM.

Display



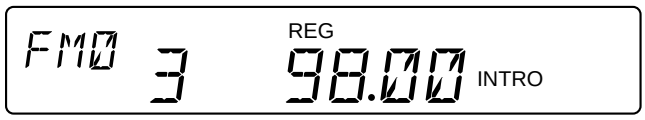

3. Push the preset 3 button.

Display




4. Adjust with the volume RV2 on TU1 so that the "FM" indication turns to "FM0" indication on the display window.
   But, in case of already indicated "FM0", turn the RV2 so that put out light "0" indication and adjustment.

Display

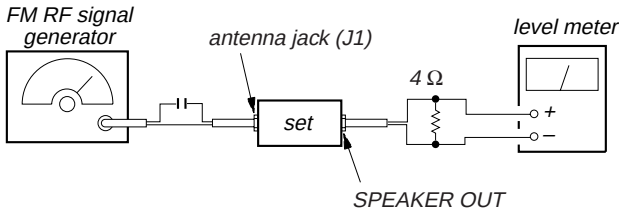



**Adjustment Location:** See page 15.

### FM Stereo Separation Adjustment

**Setting:**

SOURCE button: FM




*Carrier frequency : 98.0 MHz*
*Output level : 70 dB (3.2 mV)*
*Mode : stereo*
*Modulation : main: 1 kHz, 20 kHz deviation (26.7%)*
*sub: 1 kHz, 20 kHz deviation (26.7%)*
*19 kHz pilot: 7.5 kHz deviation (10%)*

**Procedure:**

| FM Stereo signal generator output channel | Level meter connection | Level meter reading (dB) |
|---|---|---|
| L-CH | L-CH | Ⓐ |
| R-CH | L-CH | Ⓑ Adjust RV4 on TU1 for minimum reading. |
| R-CH | R-CH | Ⓒ |
| L-CH | R-CH | Ⓓ Adjust RV4 on TU1 for minimum reading. |

L-CH Stereo separation: Ⓐ-Ⓑ
R-CH Stereo separation: Ⓒ-Ⓓ
The separations of both channels should be equal.

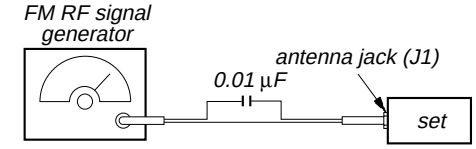
**Specification:** Separation more than 26 dB

**Adjustment Location:** See page 15.

### FM Signal Meter Adjustment

**Setting:**

SOURCE button: FM

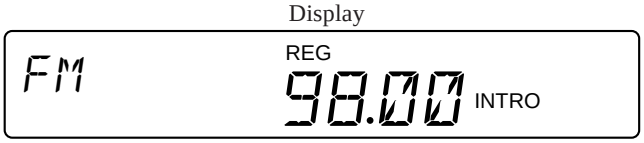



*Carrier frequency : 98.00 MHz*
*Output level : 35 dB (56.2 µV)*
*Mode : mono*
*Modulation : no modulation*

**Procedure:**

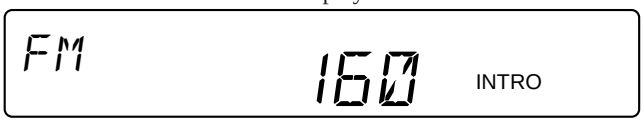
1. Set to the test mode. (See page 12.)
2. Push the SOURCE button and set to FM.

Display




3. Push the 6 button.
4. Adjust RV1 so that the display indication is “160”.

Display



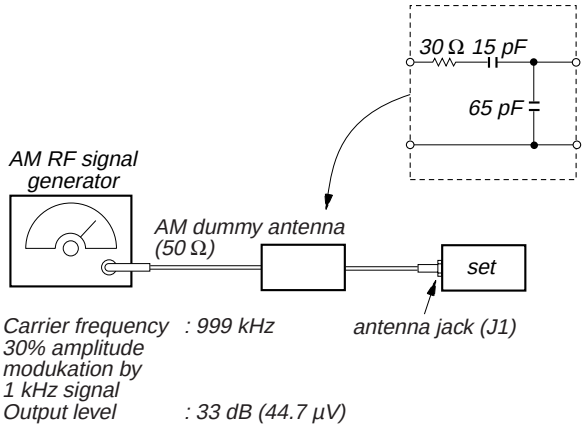

**Specification:** Display indication: 158 to 162

**Adjustment Location:** See page 15.

### MW Auto Scan/Stop Level Adjustment

**Setting:**

SOURCE and MODE button: MW

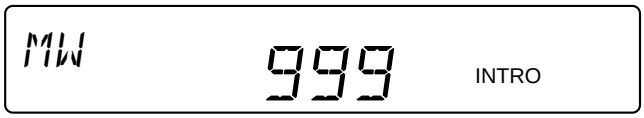



*Carrier frequency : 999 kHz*
*30% amplitude modukation by 1 kHz signal*
*Output level : 33 dB (44.7 µV)*

**Procedure:**

1. Set to the test mode. (See page 12.)
2. Push the SOURCE button and set to FM.
3. Push the MODE button and set to MW.

Display




4. Push the preset 3 button.

Display

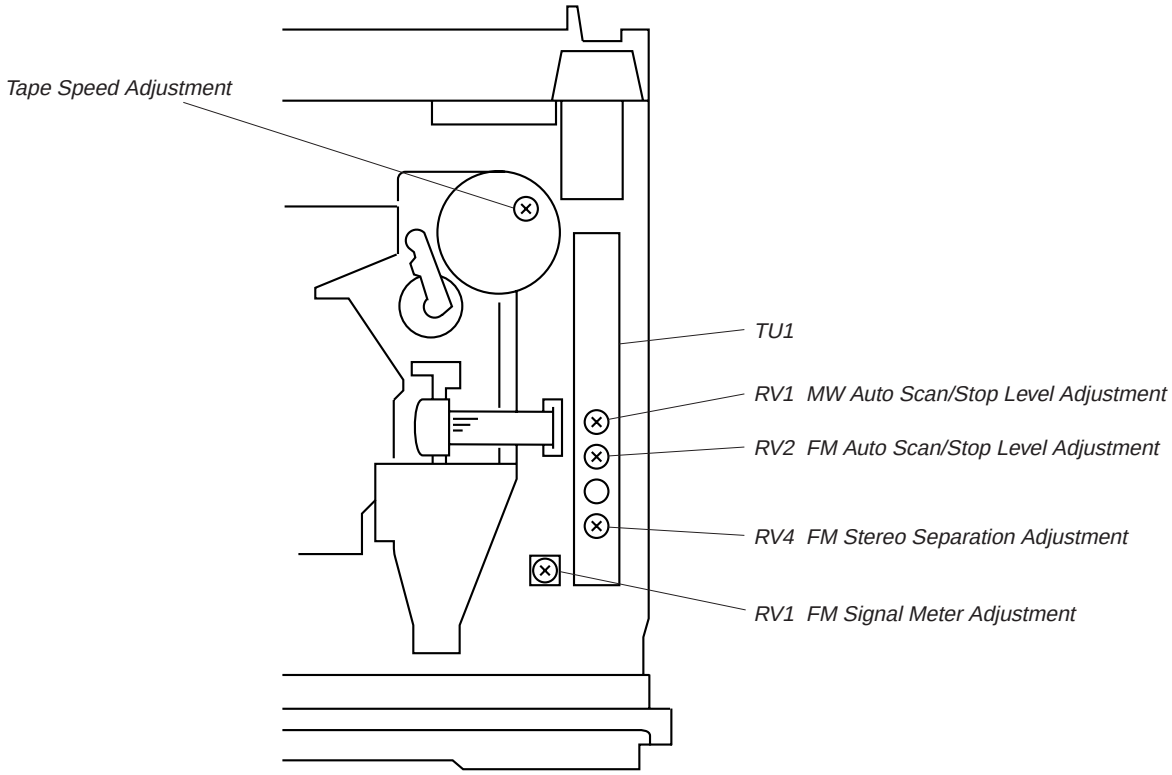
5. Adjust with the volume RV1 on TU1 so that the “MW” indication turns to “MW0” indication on the display window. But, in case of already indicated “MW0”, turn the RV1 so that put out light “0” indication and adjustment.

Display

**Adjustment Location:** See page 15.

**Adjustment Location:**

*– SET UPPER VIEW –*


Tape Speed Adjustment
TU1
RV1 MW Auto Scan/Stop Level Adjustment
RV2 FM Auto Scan/Stop Level Adjustment
RV4 FM Stereo Separation Adjustment
RV1 FM Signal Meter Adjustment

# SECTION 6
# DIAGRAMS

## 6-1. IC PIN FUNCTION DESCRIPTION

**• MAIN BOARD IC501 MN1884820S4G (SYSTEM CONTROLLER)**

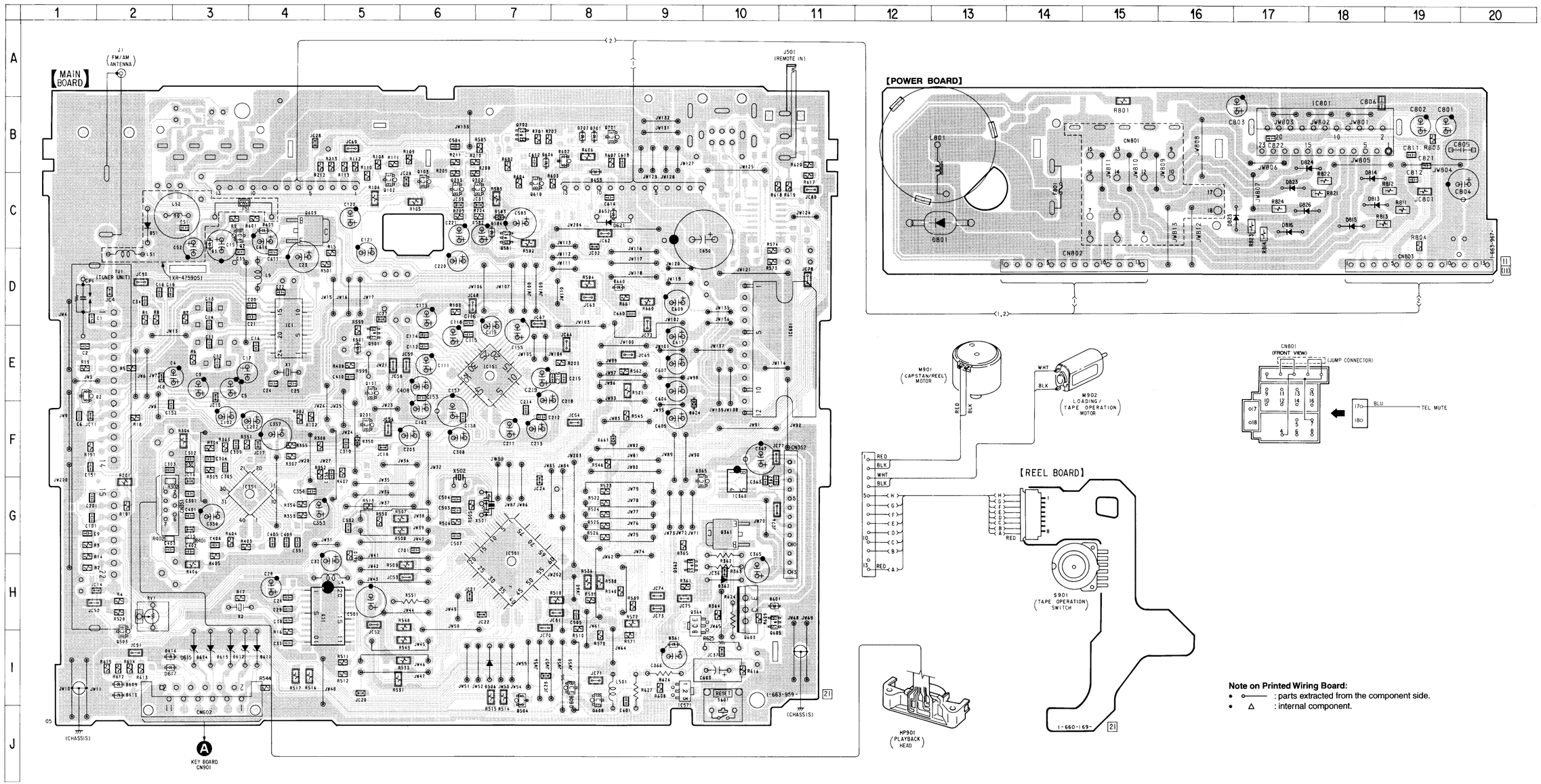
| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 1 | TUNMUT | O | Tuner muting control pin At muting: “H” |
| 2 | AMPON | O | Power amp power supply control pin |
| 3 | ILLON | O | Illumination power supply control pin<br>At PW SEL on: ACC on: “H”<br>At PW SEL off: Power on: “H” |
| 4 | PW ON | O | System power supply control pin |
| 5 | $\overline{\text{AMPMUT}}$ | O | Power amp muting control pin At muting: “L” |
| 6 | RC IN1 | I | Rotary remote commander input pin (A/D input) |
| 7 | VDD | – | Power supply |
| 8 | X IN | I | Main system clock input pin (8 MHz) |
| 9 | X OUT | O | Main system clock output pin (8 MHz) |
| 10 | GND | – | GND |
| 11 | XT IN | I | Sub system clock input pin (32.768 kHz) |
| 12 | XT OUT | O | Sub system clock output pin (32.768 kHz) |
| 13 | EX2 | – | Connected to GND |
| 14 | $\overline{\text{RESET}}$ | I | Reset input pin |
| 15 | RDSCKI | I | RDS clock input pin |
| 16 | BU IN | I | Back up power supply detection pin |
| 17 | KEYACK | O | Key acknowledge signal input pin |
| 18 | VOLSO | O | Data output pin to electrical volume |
| 19 | VOLCKO | O | Clock output pin to electrical volume |
| 20 | VOLCE | O | Chip enable output pin to electrical volume |
| 21 | TAPEMUT | O | Tape muting control pin At muting: “H” |
| 22 | LMLOD | O | Loading motor control pin (loadig direction) |
| 23 | LMEJ | O | Loading motor control pin (eject direction) |
| 24 | $\overline{\text{AMSON}}$ | O | At AMS: “L” |
| 25 | $\overline{\text{N}}$ ROUT | O | Forward/reverse control pin |
| 26 | $\overline{\text{AMSIN}}$ | I | Tape music with/without detection pin “L”: with music |
| 27 | PLLSO | O | PLL data output pin |
| 28 | PLLCKO | O | PLL clock output pin |
| 29 | PLLCE | O | PLL chip enable output pin |
| 30 | RDSSI | I | RDS data input pin |
| 31 | $\overline{\text{AD ON}}$ | O | Power supply control pin for A/D conversion |
| 32 | DOLON | I/O | DOLBY control input/output pin (Fixed at “H” in this set)<br>At initial mode: valid/invalid selection input of DOLBY function<br>At normal mode: DOLBY on/off output |
| 33 | MTLON | I/O | METAL control input/output pin<br>At initial mode: valid/invalid selection input of METAL function<br>At normal mode: METAL on/off output “H”: on |
| 34 | CMON | O | Capstan motor control pin |
| 35 | TAPON | O | Tape power supply control pin |
| 36 | $\overline{\text{ACCON}}$ | I | Accessory voltage detection pin |
| 37 | PLLSI | I | PLL data input pin |

| Pin No. | Pin Name | I/O | Function |
|---|---|---|---|
| 38 | BEEP | O | Beep sound output pin |
| 39 | LCDCKO | O | LCD clock output pin |
| 40 | LCDSO | O | LCD data output pin |
| 41 | LCDINH | O | LCD brank indication control pin |
| 42 | LCDCE | O | LCD chip enable output pin |
| 43 | UNICKO | O | Clock output pin (for SONY BUS) |
| 44 | UNICI | I | Clock input pin (for SONY BUS) |
| 45 | UNISI | I | Data input pin (for SONY BUS) |
| 46 | UNISO | O | Data output pin (for SONY BUS) |
| 47 | VDD | – | Power supply |
| 48 | AVDD | – | Power supply |
| 49 | AVREF+ | – | A/D reference voltage input pin |
| 50, 51 | KEYIN1,KEYIN0 | I | Key input pin (A/D input) |
| 52 | D-BASS | I | D-BASS switch input pin (A/D input) |
| 53 | KEYSEL | I | Key function setting pin (A/D input) |
| 54 | DSTSEL | I | Destination setting pin (A/D input) |
| 55 | RCIN0 | I | Rotary remote commander input pin (A/D input) |
| 56 | VSM1 | I | FM/AM multi-pass detection pin |
| 57 | VSM0 | I | FM/AM signal meter voltage detection pin (A/D input) |
| 58 | AVREF– | – | A/D reference voltage input pin |
| 59 | AVSS | – | GND |
| 60 | GND | – | GND |
| 61 | BUSON | O | BUS ON control signai output pin (for SONY BUS) |
| 62 | $\overline{\text{SYSRST}}$ | O | System reset signal output pin |
| 63 | $\overline{\text{SEKOUT}}$ | O | SEEK control signal output pin |
| 64 | TUNON | O | Tuner power supply control pin |
| 65 | FM ON | O | FM power supply control pin |
| 66 | MUT | O | System muting control pin At muting: “H” |
| 67 | AF SEK | O | AF seek control signal output pin (Not used) |
| 68 | COLOR | I | Illumination color setting pin “L”: amber, “H”: green (Not used) |
| 69 | $\overline{\text{NOSESW}}$ | I | Front panel removal or attaching detection pin |
| 70 | $\overline{\text{ST IN}}$ | I/O | Stereo detection signal input and forced monaural signal output pin |
| 71 | SD IN | I | Station detection signal input pin |
| 72 | REL T | I | Reel table rotation detection pin |
| 73-76 | POS3-POS0 | I | Tape position detection pin |
| 77 | PW SEL | I | Power select switch input pin |
| 78 | TELMUTE | I | Telephone muting detection pin “L”: 20 dB audio muting |
| 79 | $\overline{\text{TEST}}$ | I | Test mode setting pin |
| 80 | ILLIN | I | ILLIN signal detection pin |

## 6-2. PRINTED WIRING BOARDS – MAIN Section –

• **Semiconductor Location**

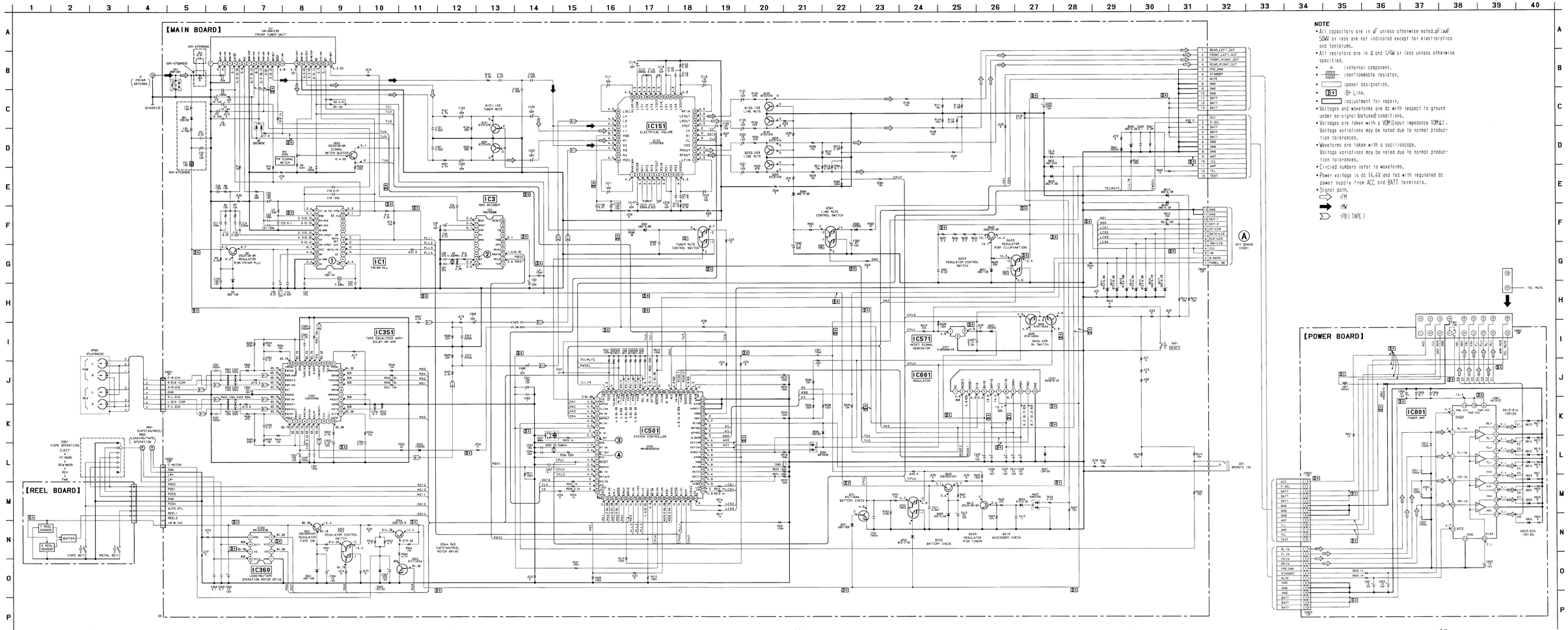
| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D2 | E-1 | D823 | C-17 |
| D3 | C-3 | D824 | B-18 |
| D51 | C-2 | D825 | C-17 |
| D350 | F-5 | D826 | C-17 |
| D361 | I-9 | | |
| D362 | H-10 | IC1 | E-4 |
| D501 | E-5 | IC3 | H-5 |
| D504 | I-7 | IC151 | E-7 |
| D506 | I-7 | IC351 | G-4 |
| D583 | C-7 | IC360 | G-10 |
| D584 | C-7 | IC501 | H-7 |
| D601 | H-10 | IC571 | I-9 |
| D605 | C-4 | IC601 | E-10 |
| D606 | B-7 | IC801 | B-18 |
| D607 | B-8 | | |
| D609 | I-2 | Q2 | C-3 |
| D610 | I-2 | Q101 | E-5 |
| D611 | I-4 | Q102 | C-5 |
| D612 | I-3 | Q103 | C-6 |
| D613 | I-3 | Q201 | F-5 |
| D614 | I-3 | Q202 | C-7 |
| D615 | I-3 | Q203 | C-6 |
| D616 | I-2 | Q361 | G-10 |
| D617 | I-2 | Q362 | H-9 |
| D621 | C-8 | Q364 | H-9 |
| D624 | F-9 | Q365 | G-9 |
| D652 | C-8 | Q501 | E-5 |
| D653 | B-8 | Q503 | I-2 |
| D660 | D-8 | Q581 | C-7 |
| D661 | F-8 | Q603 | H-10 |
| D701 | B-8 | Q605 | H-10 |
| D702 | B-8 | Q606 | I-8 |
| D801 | C-13 | Q608 | I-8 |
| D813 | C-18 | Q609 | C-4 |
| D814 | C-18 | Q610 | C-7 |
| D815 | C-18 | Q701 | B-8 |
| D816 | C-17 | Q702 | B-7 |




**Note on Printed Wiring Board:**
- o—— : parts extracted from the component side.
- △ : internal component.

## 6-3. SCHEMATIC DIAGRAM – MAIN Section –

• See page 31 for IC Block Diagrams and page 26 for Waveforms.

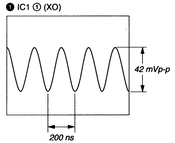



**NOTE**

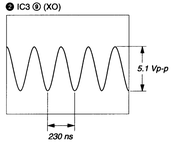
- All capacitors are in μF unless otherwise noted. pF: μμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : panel designation.
- B+ : +B+ Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT terminals.
- Signal path.
  - : FM
  - : AM
  - : PB (TAPE)

• Waveforms

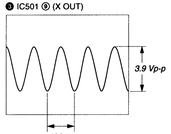
❶ IC1 ① (XO)



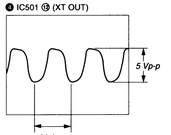

❷ IC3 ⑥ (XO)




❸ IC501 ㉑ (X OUT)

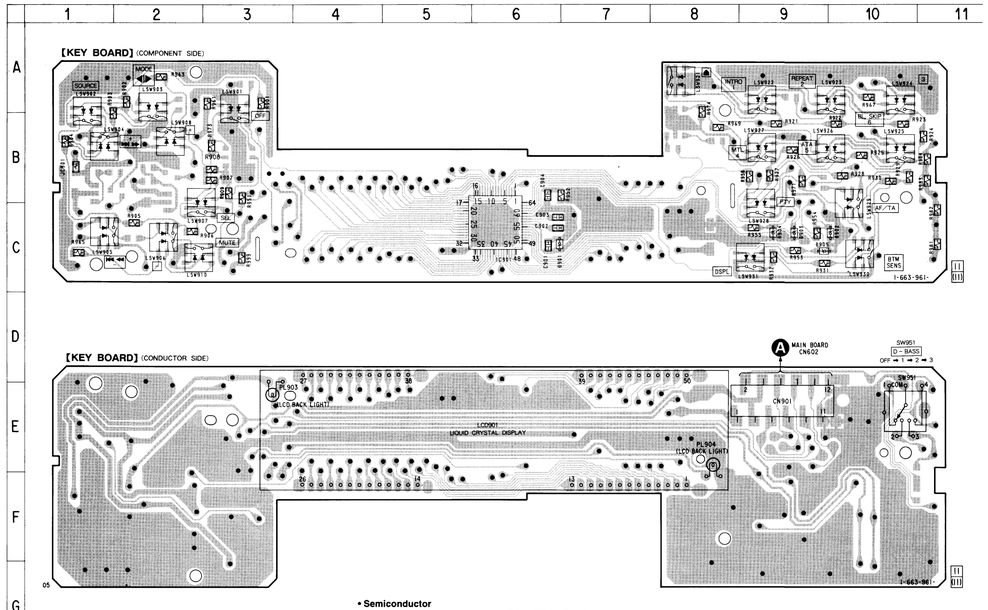



❹ IC501 ㉒ (XT OUT)






## 6-4. PRINTED WIRING BOARD – KEY Section –


【KEY BOARD】 (COMPONENT SIDE)
【KEY BOARD】 (CONDUCTOR SIDE)
A MAIN BOARD CN602
SW951 D – BASS OFF → 1 → 2 → 3
LCD BACK LIGHT
LCD901 LIQUID CRYSTAL DISPLAY
PL504 (LCD BACK LIGHT)
CN901
I-663-961-
1 2 3 4 5 6 7 8 9 10 11
A B C D E F G



• Semiconductor Location

| Ref. No. | Location |
|---|---|
| D901 | C-6 |
| D902 | C-10 |
| D903 | C-9 |
| D904 | C-9 |
| D905 | C-9 |
| IC901 | C-6 |

**Note on Printed Wiring Board:**

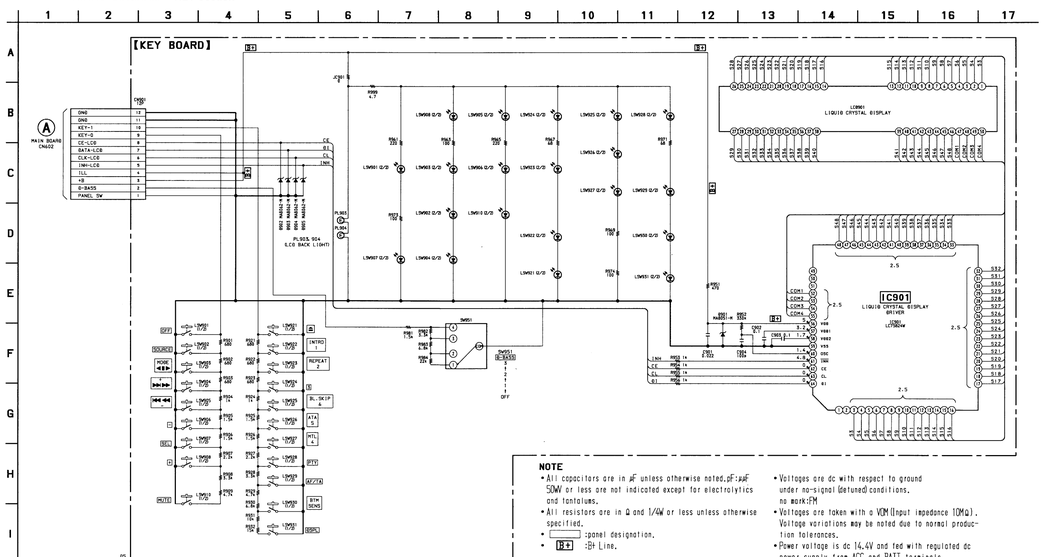
- •⟷• : parts extracted from the component side.
- • : Through hole.
- ▨ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:
Pattern face side: (Conductor Side) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side) Parts on the parts face side seen from the parts face are indicated.



## 6-5. SCHEMATIC DIAGRAM – KEY Section –

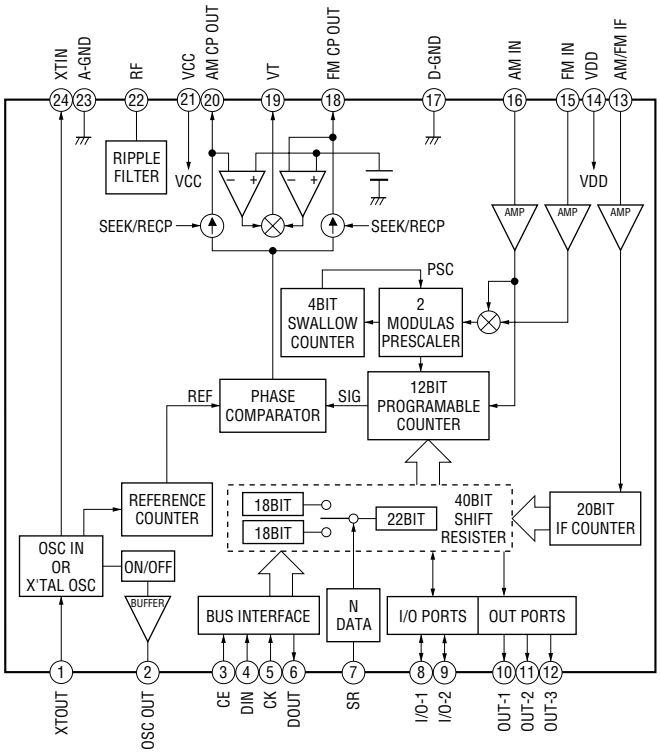

【KEY BOARD】
A MAIN BOARD CN602
LCD901 LIQUID CRYSTAL DISPLAY
IC901 LIQUID CRYSTAL DISPLAY DRIVER
PL925, 504 (LCD BACK LIGHT)
SW951 D-BASS
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I

**NOTE**

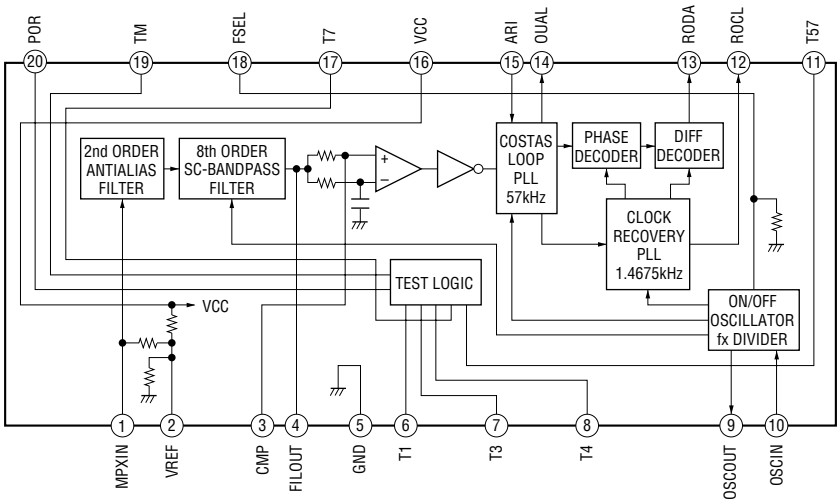
- All capacitors are in µF unless otherwise noted. pF: µµF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- [ ] : panel designation.
- B+ : B+ Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions. no mark: FM
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT terminals.

**• IC Block Diagrams (MAIN BOARD)**

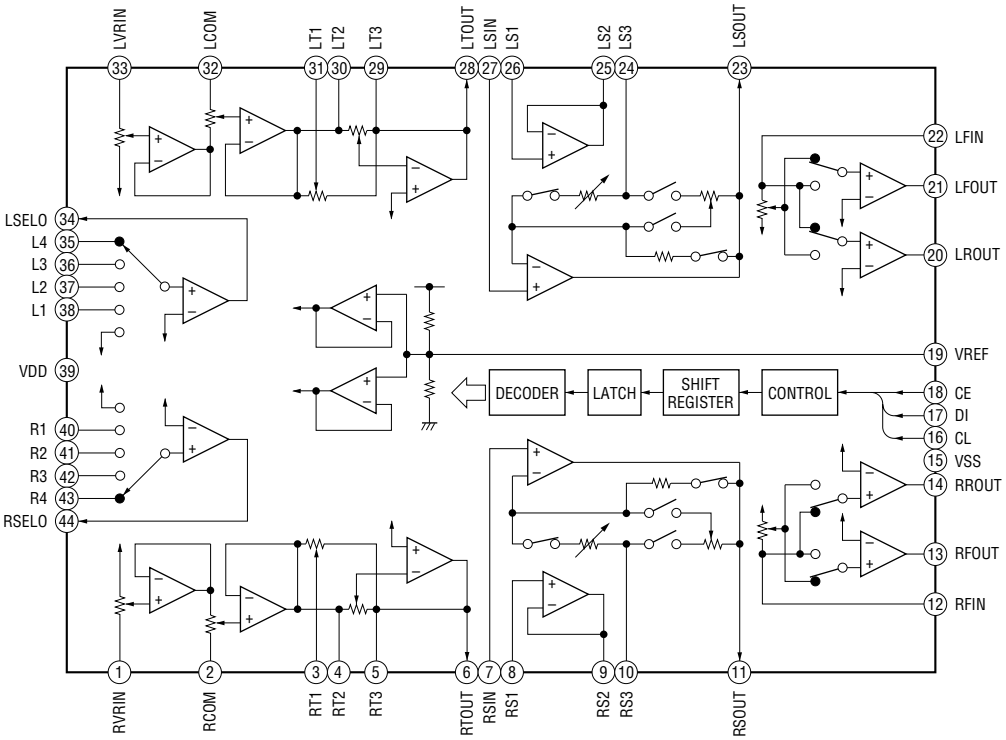
**IC1 TB2114F (EL)**



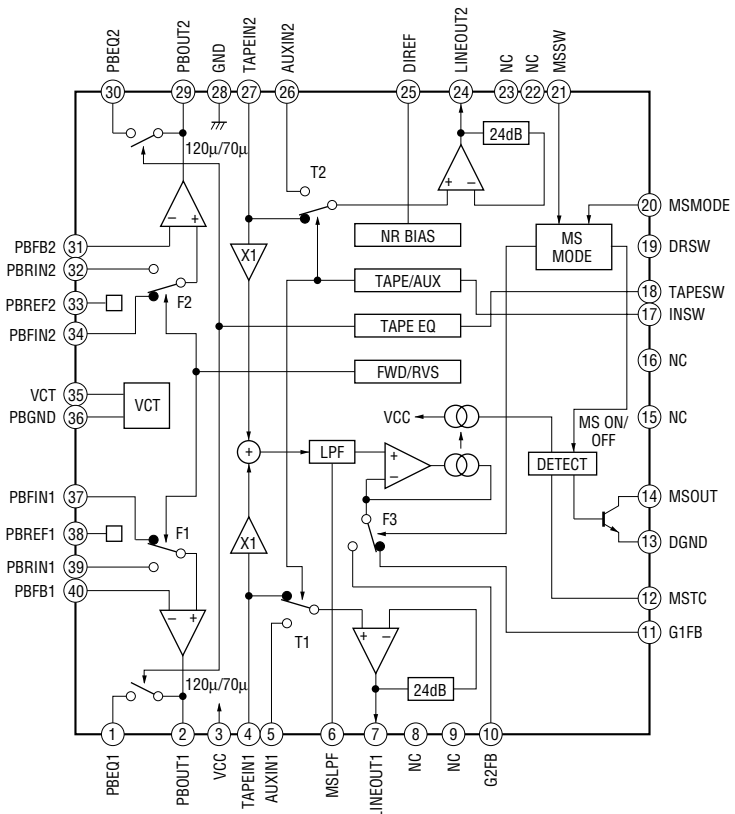

**IC3 TDA7330BD-013TR**



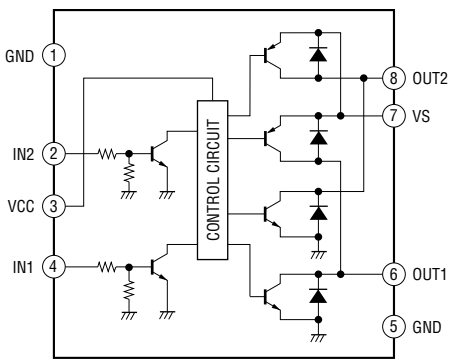
**IC151 LC75373ED**



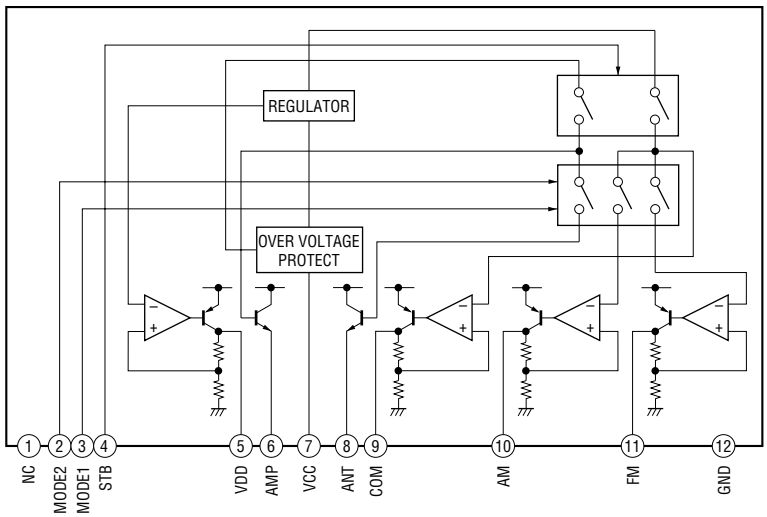

**IC351 CXA2509AQ-T4**




**IC360 MM1322XFBE**



**IC601 BA3918-V2**

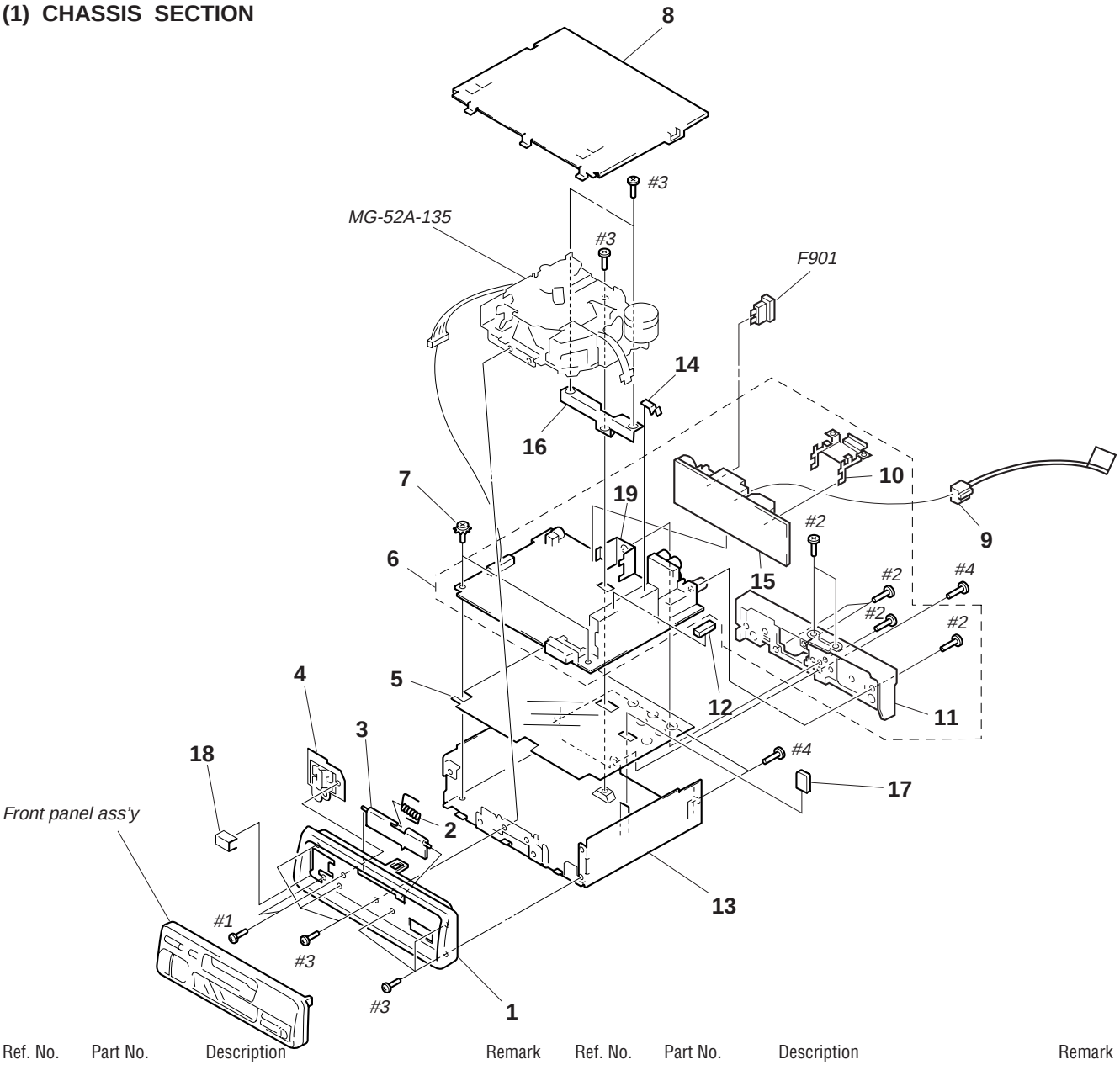


# SECTION 7
# EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

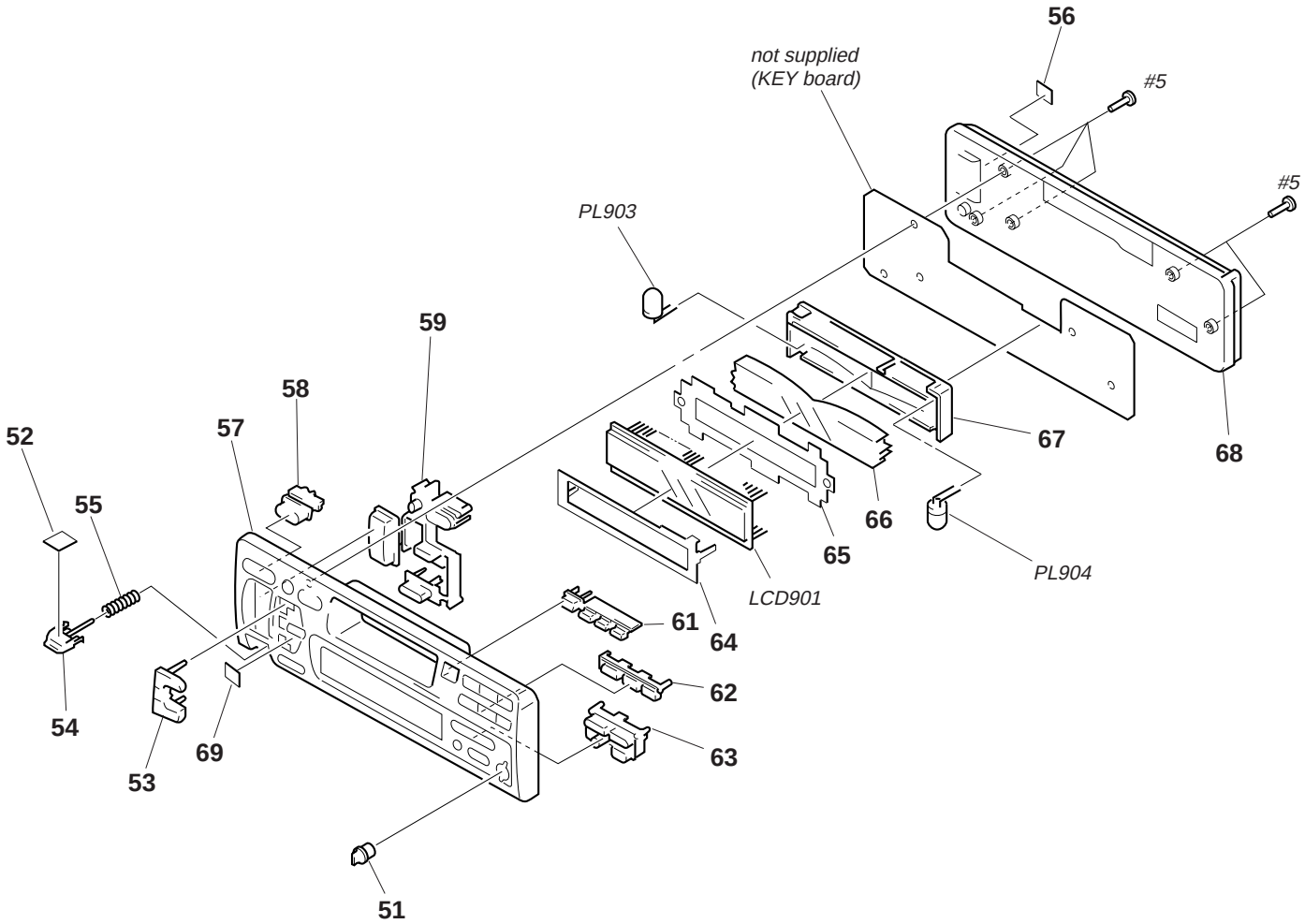
## (1) CHASSIS SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 3-009-294-01 | PANEL, SUB | |
| 2 | 3-913-076-01 | SPRING (C DOOR), TORSION | |
| 3 | 3-918-583-31 | DOOR, CASSETTE (XR-4758RDS) | |
| 3 | 3-918-583-41 | DOOR, CASSETTE (XR-4759RDS) | |
| 4 | X-3367-636-1 | LOCK ASSY | |
| * 5 | 3-011-295-01 | INSULATOR (MAIN) | |
| * 6 | A-3309-942-A | MAIN BOARD, COMPLETE (XR-4759RDS) | |
| * 6 | A-3309-949-A | MAIN BOARD, COMPLETE (XR-4758RDS) | |
| 7 | 3-915-923-01 | SCREW, GROUND POINT | |
| * 8 | X-3373-505-1 | COVER ASSY | |
| 9 | 1-777-989-31 | CORD (WITH CONNECTOR) (TEL MUTE) | |
| * 10 | 3-009-307-01 | BRACKET (IC) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| * 11 | 3-010-471-01 | HEAT SINK | |
| 12 | 3-338-263-01 | CUSHION (U) | |
| 13 | 3-010-075-11 | CHASSIS (XR-4759RDS) | |
| 13 | 3-010-075-21 | CHASSIS (XR-4758RDS) | |
| * 14 | 3-355-209-01 | PLATE (B), GROUND | |
| * 15 | A-3309-944-A | POWER BOARD, COMPLETE (XR-4758RDS) | |
| * 15 | A-3313-077-A | POWER BOARD, COMPLETE (XR-4759RDS) | |
| * 16 | 3-012-264-01 | BRACKET (52) | |
| 17 | 3-012-860-01 | CAP (52), RUBBER | |
| * 18 | 3-015-173-01 | CUSHION (S) | |
| * 19 | 3-012-105-01 | BRACKET (HS) | |
| F901 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) (10A) | |

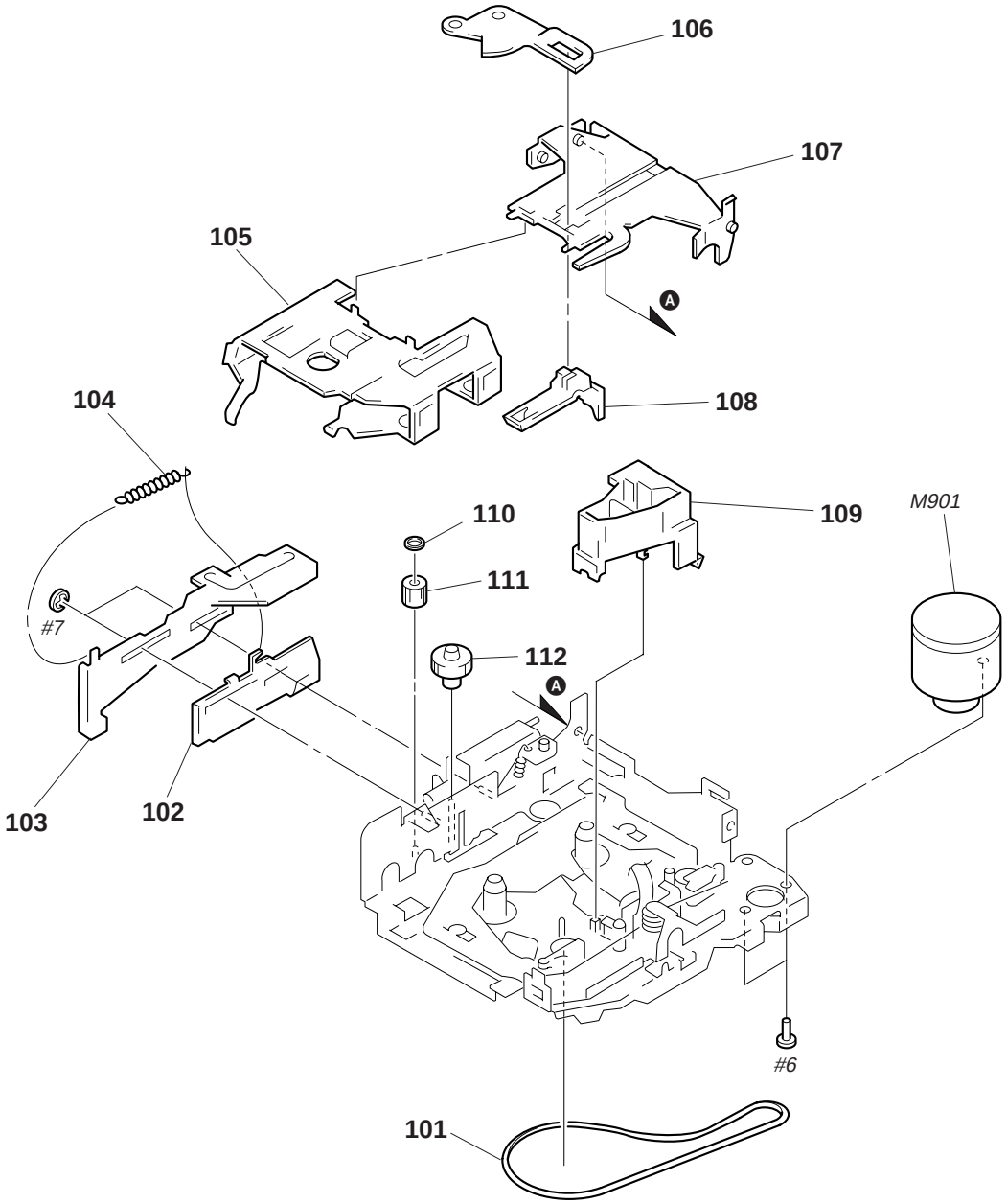
## (2) FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | 3-009-301-01 | BUTTON (BASS) | |
| * 52 | 3-014-979-01 | SPACER (RELEASE) | |
| 53 | 3-010-472-01 | BUTTON (L2) (+. –) | |
| 54 | 3-009-304-01 | BUTTON (RELEASE) | |
| 55 | 3-375-373-01 | SPRING (RELEASE) | |
| * 56 | 3-015-038-01 | CUSHION (BACK PANEL) | |
| 57 | X-3373-700-1 | PANEL SUB ASSY (XR-4759RDS) | |
| 57 | X-3373-701-1 | PANEL SUB ASSY (XR-4758RDS) | |
| 58 | 3-009-300-01 | BUTTON (SOURCE) | |
| 59 | 3-009-867-01 | BUTTON (L) (3) | |
| | | (+ ▶▶I ▶▶. SEEK AMS. I◀◀ ◀◀ –. ●. OFF. SEL. MUTE) | |
| 61 | 3-010-473-01 | BUTTON (1-3) (⏏. 1. 2. 3) | |

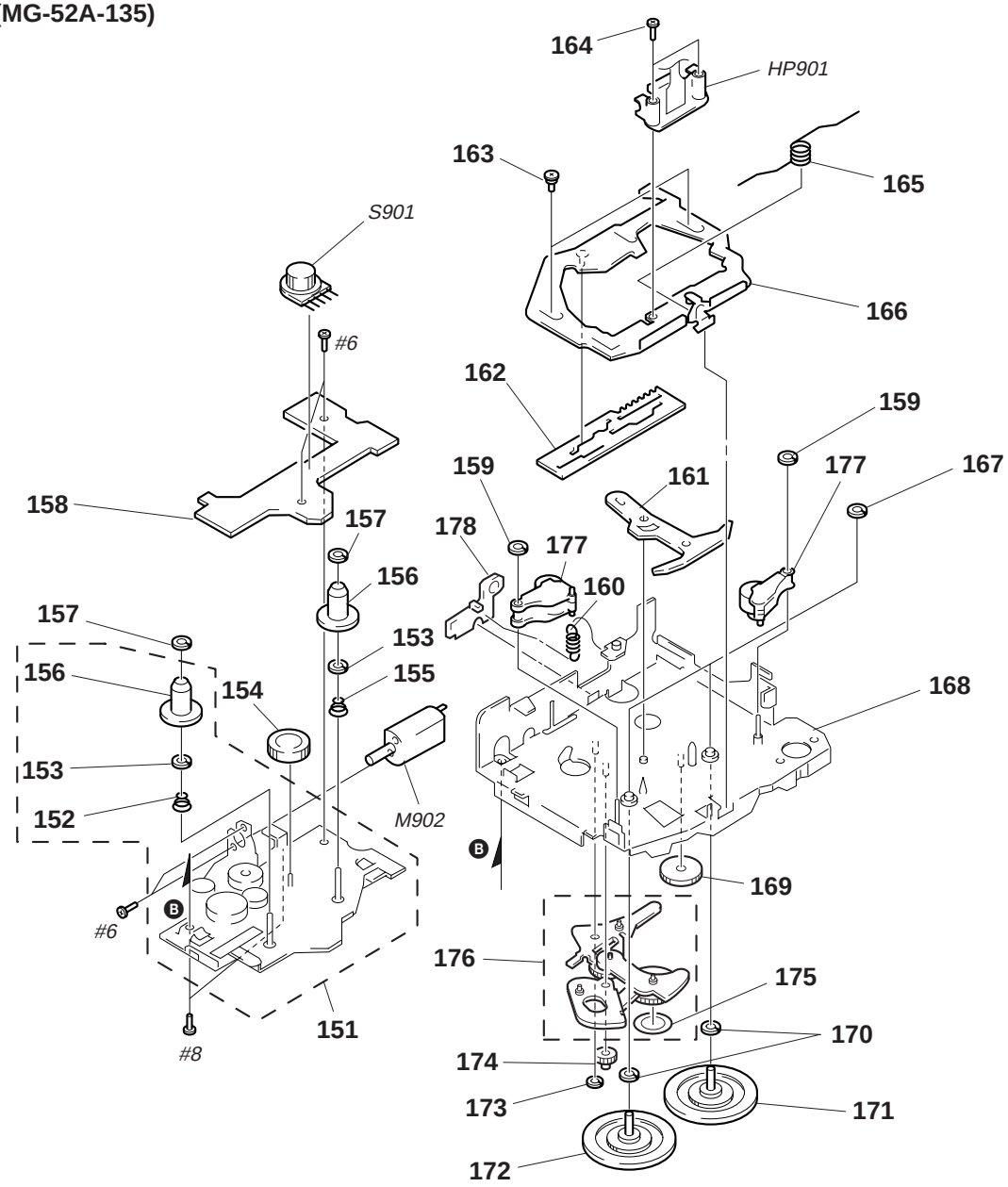
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 62 | 3-010-474-11 | BUTTON (4-6) (4. 5. 6) | |
| 63 | 3-009-314-01 | BUTTON (R) (2) (PTY. AF/TA. ●. SENS) | |
| * 64 | 3-010-282-01 | PLATE (LCD), GROUND | |
| * 65 | 3-012-669-01 | SHEET (REFLECTOR) | |
| * 66 | 3-009-302-01 | PLATE (LCD), LIGHT GUIDE | |
| * 67 | 3-009-303-01 | HOLDER (LCD) | |
| 68 | 3-010-519-01 | PANEL, FRONT BACK | |
| 69 | 3-014-893-01 | CUSHION (L2) | |
| LCD901 | 1-801-677-11 | DISPLAY PANEL, LIQUID CRYSTAL | |
| PL903 | 1-517-567-11 | LAMP, PILOT | |
| PL904 | 1-517-567-11 | LAMP, PILOT | |

## (3) MECHANISM DECK SECTION-1 (MG-52A-135)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | 3-928-675-01 | BELT (52) | |
| * 102 | 3-928-673-01 | LEVER (LDG-A) | |
| 103 | 3-928-674-01 | LEVER (LDG-B) | |
| 104 | 3-933-341-01 | SPRING (LEVER LDG), TENSION | |
| 105 | 3-928-671-01 | HOUSING | |
| * 106 | 3-933-347-01 | ARM (SUCTION) | |
| 107 | 3-933-340-01 | HANGER | |
| 108 | 3-933-346-01 | CATCHER | |
| 109 | 3-933-344-01 | GUIDE (C) | |
| 110 | 3-341-753-11 | WASHER, POLYETHYLENE | |
| 111 | 3-933-335-01 | GEAR (LDG-FT) | |
| 112 | 3-928-667-01 | GEAR (LDG-A) | |
| M901 | A-3291-665-A | MOTOR ASSY, MAIN (CAPSTAN/REEL) | |

## (4) MECHANISM DECK SECTION-2 (MG-52A-135)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | X-3371-710-1 | CHASSIS (S) ASSY | |
| 152 | 3-933-337-01 | SPRING (B-T-R), CONE COIL | |
| 153 | 3-701-437-01 | POLY-SLIDER (A) | |
| 154 | 3-933-333-01 | GEAR (LDG-E) | |
| 155 | 3-933-339-01 | SPRING (B-T-F), CONE COIL | |
| 156 | 3-933-345-01 | GEAR, REEL | |
| 157 | 3-954-807-01 | WASHER | |
| 158 | 1-660-169-21 | REEL BOARD | |
| 159 | 3-341-752-11 | WASHER, POLYETHYLENE | |
| 160 | 3-933-336-01 | SPRING (ARM HANGER), TENSION | |
| 161 | 3-928-669-01 | LEVER (PINCH SELECTION) | |
| 162 | 3-928-668-01 | LEVER (MODE) | |
| 163 | 3-933-338-01 | SCREW (HP), STEP | |
| 164 | 3-014-798-01 | SCREW (HEAD), SPECIAL | |
| 165 | 3-928-670-01 | SPRING (PINCH PRESS) | |
| * 166 | X-3371-712-1 | PLATE SUB ASSY, HEAD | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 167 | 3-364-151-01 | WASHER | |
| * 168 | X-3371-701-1 | CHASSIS (M) SUB ASSY (A) | |
| 169 | X-3371-707-1 | CLUTCH (PLAY) ASSY | |
| 170 | 3-701-437-21 | WASHER | |
| 171 | 3-930-932-01 | FLYWHEEL (F) (SEF) | |
| 172 | A-3291-667-A | CLUTCH (FR) ASSY | |
| 173 | 3-321-813-01 | WASHER, COTTER POLYETHYLENE | |
| 174 | 3-933-343-01 | GEAR (REVERSE) | |
| 175 | 3-933-383-01 | SEAL (32), REFLECTION | |
| 176 | X-3371-703-1 | LEVER (GEAR) ASSY | |
| 177 | X-3371-713-2 | LEVER (PINCH) ASSY | |
| 178 | X-3371-706-2 | ARM (HANGER) ASSY | |
| HP901 | 1-500-157-21 | HEAD, MAGNETIC (PLAYBACK) | |
| M902 | A-3291-664-A | MOTOR ASSY, SUB (LOADING/TAPE OPERATION) | |
| S901 | 1-692-885-11 | SWITCH, ROTARY SLIDE (TAPE OPERATION) | |

KEY

# SECTION 8
# ELECTRICAL PARTS LIST

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- CAPACITORS
  uF: µF
- COILS
  uH: µH

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | KEY BOARD | | | |
| | | ********** | | | |
| * | 3-009-302-01 | PLATE (LCD), LIGHT GUIDE | | | |
| * | 3-009-303-01 | HOLDER (LCD) | | | |
| * | 3-012-669-01 | SHEET (REFLECTOR) | | | |
| * | 3-010-282-01 | PLATE (LCD), GROUND | | | |
| | | < CAPACITOR > | | | |
| C901 | 1-163-033-11 | CERAMIC CHIP | 0.022uF | | 50V |
| C902 | 1-163-038-00 | CERAMIC CHIP | 0.1uF | | 25V |
| C903 | 1-163-038-00 | CERAMIC CHIP | 0.1uF | | 25V |
| C904 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| | | < CONNECTOR > | | | |
| CN901 | 1-764-423-11 | PIN, CONNECTOR 12P | | | |
| | | < DIODE > | | | |
| D901 | 8-719-976-99 | DIODE | DTZ5.1B | | |
| D902 | 8-719-105-99 | DIODE | RD6.2M-B1 | | |
| D903 | 8-719-105-99 | DIODE | RD6.2M-B1 | | |
| D904 | 8-719-105-99 | DIODE | RD6.2M-B1 | | |
| D905 | 8-719-105-99 | DIODE | RD6.2M-B1 | | |
| | | < IC > | | | |
| IC901 | 8-759-365-90 | IC | LC75824W | | |
| | | < CHIP CONDUCTOR > | | | |
| JC901 | 1-216-295-00 | CONDUCTOR, CHIP | (2012) | | |
| | | < LIQUID CRYSTAL DISPLAY > | | | |
| LCD901 | 1-801-677-11 | DISPLAY PANEL, LIQUID CRYSTAL | | | |
| | | < SWITCH > | | | |
| LSW901 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (OFF) | | | |
| LSW902 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SOURCE) | | | |
| LSW903 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (MODE◀II▶) | | | |
| LSW904 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (+▶▶I ▶▶) | | | |
| LSW905 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (–I◀◀ ◀◀) | | | |
| LSW906 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (–) | | | |
| LSW907 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (SEL) | | | |
| LSW908 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (+) | | | |
| LSW910 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (MUTE) | | | |
| LSW921 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (⏏) | | | |
| LSW922 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (INTRO/1) | | | |
| LSW923 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (REPEAT/2) | | | |
| LSW924 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (3) | | | |
| LSW925 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (BL.SKIP/6) | | | |
| LSW926 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (ATA/5) | | | |
| LSW927 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (MTL/4) | | | |
| LSW928 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (PTY) | | | |
| LSW929 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (AF/TA) | | | |
| LSW930 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (BTM/SENS) | | | |
| LSW931 | 1-762-619-11 | SWITCH, KEY BOARD (WITH LED) (DSPL) | | | |
| | | < PILOT LAMP > | | | |
| PL903 | 1-517-567-11 | LAMP, PILOT (LCD BACK LIGHT) | | | |
| PL904 | 1-517-567-11 | LAMP, PILOT (LCD BACK LIGHT) | | | |
| | | < RESISTOR > | | | |
| R901 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R902 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R903 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R904 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R905 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R906 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R907 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R908 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R909 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R921 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R922 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R923 | 1-216-045-00 | METAL CHIP | 680 | 5% | 1/10W |
| R924 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R925 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R926 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R927 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R928 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R929 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R930 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R931 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R932 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R951 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R952 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R953 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R954 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R955 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R956 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R961 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R963 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R965 | 1-216-033-00 | METAL CHIP | 220 | 5% | 1/10W |
| R967 | 1-216-021-00 | METAL CHIP | 68 | 5% | 1/10W |
| R969 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R971 | 1-216-021-00 | METAL CHIP | 68 | 5% | 1/10W |
| R973 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R974 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R981 | 1-216-053-00 | METAL CHIP | 1.5K | 5% | 1/10W |
| R982 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R983 | 1-216-069-00 | METAL CHIP | 6.8K | 5% | 1/10W |
| R984 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R999 | 1-216-308-00 | METAL CHIP | 4.7 | 5% | 1/10W |
| | | < SWITCH > | | | |
| SW951 | 1-762-937-11 | SWITCH, ROTARY (D-BASS) | | | |
| ********** | | | | | |
| * | A-3309-942-A | MAIN BOARD, COMPLETE (XR-4759RDS) | | | |
| * | A-3309-949-A | MAIN BOARD, COMPLETE (XR-4758RDS) | | | |
| | | ********** | | | |
| * | 3-010-471-01 | HEAT SINK | | | |
| | 7-685-793-09 | SCREW +PTT 2.6X8 (S) | | | |
| | | < CAPACITOR > | | | |
| C1 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C2 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C3 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C4 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C5 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C6 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C9 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C11 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C12 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C13 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 50V |
| C14 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C15 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C16 | 1-163-809-11 | CERAMIC CHIP | 0.047uF | 10% | 25V |
| C17 | 1-124-463-00 | ELECT | 0.1uF | 20% | 50V |
| C18 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C19 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C20 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C21 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C22 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C23 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C24 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C25 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C26 | 1-163-133-00 | CERAMIC CHIP | 470PF | 5% | 50V |
| C28 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C29 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C30 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C31 | 1-163-237-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C32 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C34 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C35 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C51 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V (XR-4759RDS) |
| C52 | 1-126-157-11 | ELECT | 10uF | 20% | 16V (XR-4759RDS) |
| C101 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C102 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C103 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C111 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C112 | 1-164-182-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C113 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C114 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C115 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C116 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C118 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C119 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C120 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C121 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C151 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C152 | 1-164-344-11 | CERAMIC CHIP | 0.068uF | 10% | 25V |
| C153 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C155 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C157 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C158 | 1-163-031-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C201 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C202 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C203 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C211 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C212 | 1-164-182-11 | CERAMIC CHIP | 0.0033uF | 10% | 50V |
| C213 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C214 | 1-163-037-11 | CERAMIC CHIP | 0.022uF | 10% | 25V |
| C215 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C216 | 1-164-492-11 | CERAMIC CHIP | 0.15uF | 10% | 16V |
| C218 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C219 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C220 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C221 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C301 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C302 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C303 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C304 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C305 | 1-164-489-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C308 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |
| C309 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C310 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C350 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C351 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C353 | 1-124-465-00 | ELECT | 0.47uF | 20% | 50V |
| C354 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C356 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C357 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C362 | 1-163-038-00 | CERAMIC CHIP | 0.1uF | | 25V |
| C363 | 1-163-038-00 | CERAMIC CHIP | 0.1uF | | 25V |
| C365 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C366 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C367 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C401 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C402 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C403 | 1-163-263-11 | CERAMIC CHIP | 330PF | 5% | 50V |
| C404 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C405 | 1-164-489-11 | CERAMIC CHIP | 0.22uF | 10% | 16V |
| C408 | 1-126-160-11 | ELECT | 1uF | 20% | 50V |

## MAIN

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C409 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C410 | 1-164-161-11 | CERAMIC CHIP | 0.0022uF | 10% | 100V |
| C501 | 1-124-584-00 | ELECT | 100uF | 20% | 10V |
| C502 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C503 | 1-163-099-00 | CERAMIC CHIP | 18PF | 5% | 50V |
| C504 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C505 | 1-163-038-00 | CERAMIC CHIP | 0.1uF | | 25V |
| C507 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C582 | 1-124-257-00 | ELECT | 2.2uF | 20% | 50V |
| C583 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C584 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C601 | 1-164-222-11 | CERAMIC CHIP | 0.22uF | | 25V |
| C603 | 1-125-710-11 | CAPACITOR | 0.1F | | 5.5V |
| C605 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C606 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C607 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C609 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C610 | 1-124-234-00 | ELECT | 22uF | 20% | 16V |
| C611 | 1-163-809-11 | CERAMIC CHIP | 0.047uF | 10% | 25V |
| C612 | 1-109-982-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C614 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C617 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C618 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| C650 | 1-126-936-11 | ELECT | 3300uF | 20% | 16V |
| C660 | 1-164-004-11 | CERAMIC CHIP | 0.1uF | 10% | 25V |
| C701 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| | | < CONNECTOR > | | | |
| CN351 | 1-766-260-11 | CONNECTOR, FFC/FPC (ZIF) 7P | | | |
| * CN352 | 1-506-995-11 | PIN, CONNECTOR (PC BOARD) 13P | | | |
| CN602 | 1-764-422-11 | PLUG, CONNECTOR 12P | | | |
| | | < CONPOSITION CIRCUIT BLOCK > | | | |
| CP1 | 1-519-504-11 | GAP, DISCHARGE | | | |
| | | < DIODE > | | | |
| D2 | 8-719-991-65 | DIODE SB02W03C | | | |
| D3 | 8-719-977-28 | DIODE DTZ10B | | | |
| D51 | 8-719-991-33 | DIODE 1SS133T-77 (XR-4759RDS) | | | |
| D350 | 8-719-988-62 | DIODE 1SS355 | | | |
| D361 | 8-719-977-28 | DIODE DTZ10B | | | |
| D362 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D501 | 8-719-976-88 | DIODE DTZ3.9B | | | |
| D504 | 8-719-914-44 | DIODE DAP202K | | | |
| D506 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
| D583 | 8-719-988-62 | DIODE 1SS355 | | | |
| D584 | 8-719-976-88 | DIODE DTZ3.9B | | | |
| D601 | 8-719-158-49 | DIODE RD12SB2 | | | |
| D605 | 8-719-158-15 | DIODE RD5.6S-B | | | |
| D606 | 8-719-056-83 | DIODE UDZ-TE-17-6.8B | | | |
| D607 | 8-719-914-43 | DIODE DAN202K | | | |
| D609 | 8-719-105-99 | DIODE RD6.2M-B1 | | | |
| D610 | 8-719-105-99 | DIODE RD6.2M-B1 | | | |
| D611 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |
| D612 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |
| D613 | 8-719-110-49 | DIODE RD18ES-B2 | | | |
| D614 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |
| D615 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| D616 | 8-719-105-99 | DIODE RD6.2M-B1 | |
| D617 | 8-719-105-99 | DIODE RD6.2M-B1 | |
| D621 | 8-719-970-02 | DIODE 1SR139-400 | |
| D624 | 8-719-988-62 | DIODE 1SS355 | |
| D652 | 8-719-977-69 | DIODE DTZ24B | |
| D653 | 8-719-056-84 | DIODE UDZ-TE-17-7.5B | |
| D660 | 8-719-105-99 | DIODE RD6.2M-B1 | |
| D661 | 8-719-988-62 | DIODE 1SS355 | |
| D701 | 8-719-056-93 | DIODE UDZ-TE-17-18B | |
| D702 | 8-719-977-17 | DIODE DTZ7.5C | |
| | | < RESISTOR > | |
| F51 | 1-215-863-11 | METAL OXIDE 100 5% 1W F | (XR-4759RDS) |
| | | < IC > | |
| IC1 | 8-759-448-88 | IC TB2114F(EL) | |
| IC3 | 8-759-163-63 | IC TDA7330BD-013TR | |
| IC151 | 8-759-443-67 | IC LC75373ED | |
| IC351 | 8-752-079-78 | IC CXA2509AQ-T4 | |
| IC360 | 8-759-395-97 | IC MM1322XFBE | |
| IC501 | 8-759-451-03 | IC MN1884820S4G | |
| IC571 | 8-759-940-45 | IC S-8054HN-CB | |
| IC601 | 8-759-347-49 | IC BA3918-V2 | |
| | | < JACK > | |
| J1 | 1-764-808-14 | JACK (ANT) (FM/AM ANTENNA) | (XR-4758RDS) |
| J1 | 1-770-279-11 | JACK, ANTENNA (ISO) (FM/AM ANTENNA) | (XR-4759RDS) |
| J501 | 1-764-270-21 | JACK (REMOTE IN) | |
| | | < CHIP CONDUCTOR > | |
| JC4 | 1-164-232-11 | CERAMIC CHIP 0.01uF 50V | (XR-4759RDS) |
| JC4 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | (XR-4758RDS) |
| JC8 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC10 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC11 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC14 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC15 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC16 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC17 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC18 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC20 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC21 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC22 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC23 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC24 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC27 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC28 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC29 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC30 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC31 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC32 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC36 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC37 | 1-216-295-00 | CONDUCTOR, CHIP (2012) | |
| JC50 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |

| Ref. No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| JC51 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC52 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC53 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC54 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC56 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC58 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC59 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC60 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC62 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC63 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC65 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC66 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC67 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC68 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC70 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC71 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC72 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC73 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC74 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC75 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC76 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC77 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC78 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC80 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC81 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| JC90 | 1-216-296-00 | CONDUCTOR, CHIP | (3216) | |
| | | < COIL > | | |
| L4 | 1-410-509-11 | INDUCTOR | 10uH | |
| L5 | 1-410-509-11 | INDUCTOR | 10uH | |
| L51 | 1-414-142-11 | INDUCTOR | 1uH (XR-4759RDS) | |
| L52 | 1-416-108-11 | COIL (HIGH-FREQUENCY) (XR-4759RDS) | | |
| L501 | 1-410-509-11 | INDUCTOR | 10uH | |
| | | < TRANSISTOR > | | |
| Q2 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | |
| Q101 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q102 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q103 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q201 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q202 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q203 | 8-729-920-21 | TRANSISTOR | DTC314TKH04 | |
| Q361 | 8-729-015-11 | TRANSISTOR | 2SD1802FAST-TL | |
| Q362 | 8-729-921-25 | TRANSISTOR | FMC2 | |
| Q364 | 8-729-106-60 | TRANSISTOR | 2SB1115A | |
| Q365 | 8-729-900-53 | TRANSISTOR | DTC114EK | |
| Q501 | 8-729-921-25 | TRANSISTOR | FMC2 | |
| Q503 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | |
| Q581 | 8-729-921-25 | TRANSISTOR | FMC2 | |
| Q603 | 8-729-423-99 | TRANSISTOR | 2SD2137-OP | |
| Q605 | 8-729-921-25 | TRANSISTOR | FMC2 | |
| Q606 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | |
| Q608 | 8-729-027-23 | TRANSISTOR | DTA114EKA-T146 | |
| Q609 | 8-729-015-11 | TRANSISTOR | 2SD1802FAST-TL | |
| Q610 | 8-729-120-28 | TRANSISTOR | 2SC1623-L5L6 | |
| Q701 | 8-729-900-53 | TRANSISTOR | DTC114EK | |
| Q702 | 8-729-921-25 | TRANSISTOR | FMC2 | |

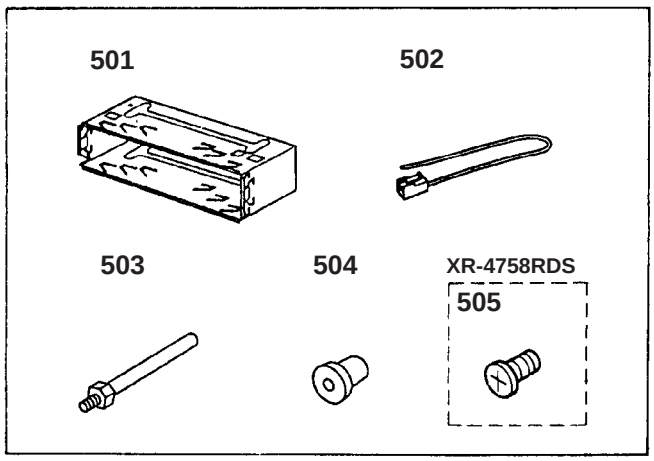
| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < RESISTOR > | | | |
| JW58 | 1-247-807-31 | CARBON | 100 | 5% | 1/4W |
| R1 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R2 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R3 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R4 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R5 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R6 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R7 | 1-216-075-00 | METAL CHIP | 12K | 5% | 1/10W |
| R8 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R9 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R14 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R15 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R16 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R17 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R18 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R19 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R101 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R102 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R103 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R104 | 1-216-190-00 | METAL CHIP | 470 | 5% | 1/8W |
| R105 | 1-216-190-00 | METAL CHIP | 470 | 5% | 1/8W |
| R108 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R109 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R110 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R111 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R112 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R113 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R151 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R201 | 1-216-214-00 | METAL CHIP | 4.7K | 5% | 1/8W |
| R202 | 1-216-085-00 | METAL CHIP | 33K | 5% | 1/10W |
| R203 | 1-216-061-00 | METAL CHIP | 3.3K | 5% | 1/10W |
| R204 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R205 | 1-216-041-00 | METAL CHIP | 470 | 5% | 1/10W |
| R208 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R209 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R210 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R211 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R212 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R213 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R301 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R302 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R303 | 1-216-076-00 | METAL CHIP | 13K | 5% | 1/10W |
| R304 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R305 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R306 | 1-216-190-00 | METAL CHIP | 470 | 5% | 1/8W |
| R307 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R308 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R351 | 1-208-812-11 | METAL CHIP | 18K | 2% | 1/10W |
| R352 | 1-216-105-00 | METAL CHIP | 220K | 5% | 1/10W |
| R353 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |
| R354 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R355 | 1-216-009-00 | METAL CHIP | 22 | 5% | 1/10W |
| R361 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R362 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W |
| R363 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W |
| R364 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R365 | 1-216-065-00 | METAL CHIP | 4.7K | 5% | 1/10W |

# MAIN POWER

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R401 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R402 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R403 | 1-216-076-00 | METAL CHIP | 13K | 5% | 1/10W |
| R404 | 1-216-077-00 | METAL CHIP | 15K | 5% | 1/10W |
| R405 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R406 | 1-216-190-00 | METAL CHIP | 470 | 5% | 1/8W |
| R407 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R408 | 1-216-081-00 | METAL CHIP | 22K | 5% | 1/10W |
| R501 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R505 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R506 | 1-216-109-00 | METAL CHIP | 330K | 5% | 1/10W |
| R507 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R508 | 1-216-206-00 | METAL CHIP | 2.2K | 5% | 1/8W |
| R509 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R510 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R511 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R512 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R513 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R514 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R515 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R516 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R517 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R518 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R521 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R522 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R523 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R524 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R525 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R526 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R528 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R531 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R533 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R535 | 1-208-518-41 | METAL CHIP | 22K | 2% | 1/10W |
| R536 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R538 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R539 | 1-208-806-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R540 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R544 | 1-216-049-11 | METAL CHIP | 1K | 5% | 1/10W |
| R545 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R546 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R548 | 1-216-222-00 | METAL CHIP | 10K | 5% | 1/8W |
| R549 | 1-216-222-00 | METAL CHIP | 10K | 5% | 1/8W |
| R550 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R551 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R562 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R570 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R571 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R572 | 1-216-246-00 | METAL CHIP | 100K | 5% | 1/8W |
| R573 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R574 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R582 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R583 | 1-216-166-00 | METAL CHIP | 47 | 5% | 1/8W |
| R584 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R585 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R599 | 1-164-232-11 | CERAMIC CHIP | 0.01uF | | 50V |
| R601 | 1-216-057-00 | METAL CHIP | 2.2K | 5% | 1/10W |
| R602 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R603 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R604 | 1-216-089-00 | METAL CHIP | 47K | 5% | 1/10W |
| R606 | 1-216-206-00 | METAL CHIP | 2.2K | 5% | 1/8W |
| R607 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R608 | 1-216-097-00 | METAL CHIP | 100K | 5% | 1/10W |
| R609 | 1-216-037-00 | METAL CHIP | 330 | 5% | 1/10W |
| R610 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R612 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R613 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R614 | 1-208-806-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R615 | 1-208-806-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R616 | 1-216-295-00 | CONDUCTOR, CHIP | | (2012) | |
| R617 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R618 | 1-208-806-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R619 | 1-208-806-11 | METAL CHIP | 10K | 0.50% | 1/10W |
| R620 | 1-216-025-00 | METAL CHIP | 100 | 5% | 1/10W |
| R624 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R625 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R626 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/6W |
| R627 | 1-249-387-11 | CARBON | 3.3 | 5% | 1/4W |
| R660 | 1-216-198-00 | METAL CHIP | 1K | 5% | 1/8W |
| R661 | 1-216-129-00 | METAL CHIP | 2.2M | 5% | 1/10W |
| R701 | 1-216-073-00 | METAL CHIP | 10K | 5% | 1/10W |
| R702 | 1-216-113-00 | METAL CHIP | 470K | 5% | 1/10W |
| | | < VARIABLE RESISTOR > | | | |
| RV1 | 1-223-836-11 | RES, ADJ, CARBON 220K | | | |
| | | < SWITCH > | | | |
| S601 | 1-571-532-21 | SWITCH, TACTIL (RESET) | | | |
| | | < TUNER > | | | |
| TU1 | A-3282-029-A | TUNER UNIT TUX-006/2 (E) | | | |
| | | < VIBRATOR > | | | |
| X1 | 1-577-126-51 | VIBRATOR, CRYSTAL (7.2MHz) | | | |
| X2 | 1-760-556-11 | VIBRATOR, CRYSTAL (4.332MHz) | | | |
| X501 | 1-579-125-11 | VIBRATOR, CERAMIC (8MHz) | | | |
| X502 | 1-567-098-41 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| ********** | | | | | |
| * | A-3309-944-A | POWER BOARD, COMPLETE (XR-4758RDS) | | | |
| * | A-3313-077-A | POWER BOARD, COMPLETE (XR-4759RDS) | | | |
| | | ********** | | | |
| | | (Included in MAIN BOARD, COMPLETE) | | | |
| * | 3-009-307-01 | BRACKET (IC) | | | |
| | | < CAPACITOR > | | | |
| C801 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C802 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C803 | 1-126-157-11 | ELECT | 10uF | 20% | 16V |
| C804 | 1-124-589-11 | ELECT | 47uF | 20% | 16V |
| C805 | 1-136-165-00 | FILM | 0.1uF | 5% | 50V |
| C806 | 1-164-506-11 | CERAMIC CHIP | 4.7uF | | 16V |
| C811 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C812 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C821 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C822 | 1-163-009-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < CONNECTOR > | |
| CN801 | 1-778-985-11 | PIN, CONNECTOR (ISO) (XR-4758RDS) | |
| CN801 | 1-778-985-21 | PIN, CONNECTOR (ISO) (XR-4759RDS) | |
| CN802 | 1-778-983-11 | PIN, CONNECTOR (PC BOARD) 13P | |
| CN803 | 1-778-983-11 | PIN, CONNECTOR (PC BOARD) 13P | |
| | | < DIODE > | |
| D801 | 8-719-049-38 | DIODE 1N5404TU | |
| D813 | 8-719-970-02 | DIODE 1SR139-400 | |
| D814 | 8-719-970-02 | DIODE 1SR139-400 | |
| D815 | 8-719-970-02 | DIODE 1SR139-400 | |
| D816 | 8-719-970-02 | DIODE 1SR139-400 | |
| D823 | 8-719-970-02 | DIODE 1SR139-400 | |
| D824 | 8-719-970-02 | DIODE 1SR139-400 | |
| D825 | 8-719-970-02 | DIODE 1SR139-400 | |
| D826 | 8-719-970-02 | DIODE 1SR139-400 | |
| | | < IC > | |
| IC801 | 8-759-448-48 | IC HA13157 | |
| | | < CHIP CONDUCTOR > | |
| JC801 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| | | < COIL > | |
| L801 | 1-416-046-11 | COIL, CHOKE 400uH | |
| | | < RESISTOR > | |
| R801 | 1-216-198-00 | METAL CHIP 1K 5% 1/8W | |
| R803 | 1-216-049-11 | METAL CHIP 1K 5% 1/10W | |
| R804 | 1-216-049-11 | METAL CHIP 1K 5% 1/10W | |
| R811 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R812 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R813 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R814 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R821 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R822 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R823 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| R824 | 1-216-296-00 | CONDUCTOR, CHIP (3216) | |
| ********** | | | |
| | | MISCELLANEOUS | |
| | | ********** | |
| 9 | 1-777-989-31 | CORD (WITH CONNECTOR) (TEL MUTE) | |
| 158 | 1-660-169-21 | REEL BOARD | |
| F901 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) (10A) | |
| HP901 | 1-500-157-21 | HEAD, MAGNETIC (PLAYBACK) | |
| M901 | A-3291-665-A | MOTOR ASSY, MAIN (CAPSTAN/REEL) | |
| M902 | A-3291-664-A | MOTOR ASSY, SUB (LOADING/TAPE OPERATION) | |
| S901 | 1-692-885-11 | SWITCH, ROTARY SLIDE (TAPE OPERATION) | |
| ********** | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | ********** | |
| | | HARDWARE LIST | |
| | | ********** | |
| #1 | 7-621-772-10 | SCREW +B 2X4 | |
| #2 | 7-685-793-01 | SCREW +PTT 2.6X8 (S) | |
| #3 | 7-685-792-09 | SCREW +PTT 2.6X6 (S) | |
| #4 | 7-685-792-01 | SCREW +PTT 2.6X6 (S) | |
| #5 | 7-685-106-19 | SCREW +P 2X10 TYPE2 NON-SLIT | |
| #6 | 7-627-553-17 | PRECISION SCREW +P 2X2 TYPE 3 | |
| #7 | 7-624-104-04 | STOP RING 2.0, TYPE-E | |
| #8 | 7-628-253-00 | SCREW +PS 2X4 | |
| ********** | | | |
| | | ACCESSORIES & PACKING MATERIALS | |
| | | ********** | |
| | 3-859-329-11 | MANUAL, INSTRUCTION (ENGLISH) (XR-4759RDS) | |
| | 3-859-330-11 | MANUAL, INSTRUCTION (ENGLISH) (XR-4758RDS) | |
| | X-3373-386-1 | CASE ASSY (for FRONT PANEL) | |
| ********** | | | |
| | | PARTS FOR INSTALLATION AND CONNECTIONS | |
| | | ********** | |
| 501 | 3-011-653-01 | FRAME | |
| 502 | 1-777-989-31 | CORD (WITH CONNECTOR) (TEL MUTE) | |
| 503 | 3-386-828-01 | SCREW, FITTING | |
| * 504 | 3-358-697-01 | BUSHING | |
| 505 | 3-367-968-01 | SCREW (M5X8) (XR-4758RDS) | |



**Sony Corporation**
**Personal & Mobile Communication Company**

**9-925-581-11**

97C05086-1
Printed in Japan © 1997. 3
**Published by Quality Assurance Dept.**